



ASSOCIATED PAVING

Background

- ▶ Full-Service Company
- ▶ Established in 1966
- ▶ Family Owned and Operated
- ▶ Members of the Hand Association
- ▶ Members of LIUNA Local 837 Union
- ▶ Members of Local 793 International Union of Operating Engineers
- ▶ Servicing Hamilton for over 20 Years



C15-71-17 Utilities Restorations Contract

- ▶ The scope of Work consists of the permanent restoration of utility cuts in asphalt and concrete pavement, sidewalks, curbs, driveway approaches and alleyways required on streets within the limits of the City of Hamilton. Utility cuts are produced by:
 - a) Union Gas Limited
 - b) Bell Canada
 - c) Cable
 - d) Alectra Utilities
 - e) City of Hamilton - water service replacements, sewer and watermain repairs.
 - f) Private Contractors

Challenges In Completion Of Restorations.

1. Contract Estimated Quantities Greatly Exceeded
2. Variations in City's Contract Administration Procedures Over the 4 Year Term
3. Seasonal Material Constraint and Delays Outside of Contractor control
4. City's Required Priority Lists Affecting Productivity

1. Contract Estimated Quantities Greatly Exceeded

SPECIAL PROVISIONS GENERAL

1. CONSTRUCTION AND MATERIAL SPECIFICATION MANUAL

Notice of Revision No. 6

All Work in this Contract shall be in accordance with Revision No. 6. All bidders are responsible to obtain and include for all revisions.

<https://www.hamilton.ca/develop-property/policies-guidelines/construction-and-material-specifications>

2. SCOPE

The scope of Work consists of the permanent restoration of utility cuts in asphalt and concrete pavement, sidewalks, curbs, driveway approaches and alleyways required on streets within the limits of the City of Hamilton. Utility cuts are produced by:

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Road restoration Work shall be conducted on arterial and local roads throughout the City as required and shall consist of the following annual estimated quantities:

- o Asphalt on granular road restoration – 23,000 square metres
- o Asphalt on concrete road restoration – 25 square metres
- o Exposed concrete and asphalt on concrete road restoration – 25 square metres
- o Concrete sidewalk, driveway, approach and walkway restoration – 5,500 square metres
- o Concrete curb restoration on local and arterial roads - 800 linear metres
- o Asphalt driveway restoration - 2800 square metres
- o Supply and placement of topsoil, sod and seed – 3,000 square metres
- o Cold weather placement and protection of concrete

In all cases, removal and disposal of the temporary restoration and excavated materials shall be included in the permanent restoration costs as noted in the above items.

By definition, the existing surface treatment as left by the permit holder (hot mix asphalt,

FORM OF TENDER SCHEDULE OF QUANTITIES AND PRICES CONTRACT No. C15-71-17 (H)

LOCATION: Various locations in the City of Hamilton

DESCRIPTION: Permanent Restoration of Pavement Cuts in Asphalt and Concrete Pavements

Item No.	Spec No.	Description	Unit of Measure	Estimated Quantity	Unit Price	Extended Price
1	SP106	Supply Insurance and Performance, Labour and Materials Payment Bonds.	lump sum (Insert Extended Price Only) \$			
2	SP37 SP41	Mill existing asphalt 50mm deep, including the application of tack coat to the milled surface prior to paving.	square metre	1,000	\$	\$
3	SP35 SP12	Full depth asphalt restoration to asphalt on granular roads:				
	a)	50mm Superpave 9.5, PG 58-28, (Traffic Category C), surface course and 110mm Superpave 19, PG 58-28, (Traffic Category C), binder course.	square metre	7,000	\$	\$
	b)	Additional costs to Item 3(a) for repairs during winter months.	square metre	2,000	\$	\$
	c)	50mm Superpave 12.5, PG 58-28, (Traffic Category C), surface course and 170mm Superpave 19, PG 58-28, (Traffic Category C), binder course.	square metre	12,000	\$	\$
	d)	Additional costs to Item 3(c) for repairs during winter months.	square metre	3,000	\$	\$
	e)	50mm Superpave 12.5, PG 58-28, (Traffic Category C), surface course. 260mm Superpave 19, PG 58-28, (Traffic Category C), binder course.	square metre	4,000	\$	\$
	f)	Additional costs to Item 3(e) for repairs during winter months.	square metre	1,000	\$	\$

1. Contract Estimated Quantities Greatly Exceeded

6. WORK SCHEDULE

Construction Schedule

The Contractor will be required under this Contract to supply sufficient crews and equipment to undertake the estimated square meters of pavement cut restoration in this Contract.]

Weekly List

The City will provide a list of restoration locations to the Contractor each week. Each list may contain up to 400 restoration locations. The Contractor shall be required to complete each list of within a six week time period from the date of issue. Restoration operations shall be conducted over the entire year including the winter months.

The Contractor will receive first weekly list before **December 8, 2017**, and will continue to receive weekly lists by the end of each week for the duration of the Contract. A restoration location shall be restored and complete within two weeks from the date it was started.

The Contractor shall provide the Project Manager with a schedule of restoration locations in progress at the start of each week.

The Contract includes all areas of the City of Hamilton.

The City will consider a list complete when all required asphalt, concrete, sod, private restoration and cleanup is completed for each cut on each list, to the satisfaction of the Project Manager.

Liquidated damages will be applied to each outstanding list separately and the application of penalties will be cumulative.

See also Liquidated Damages and Time for Completion in these Special Provisions.

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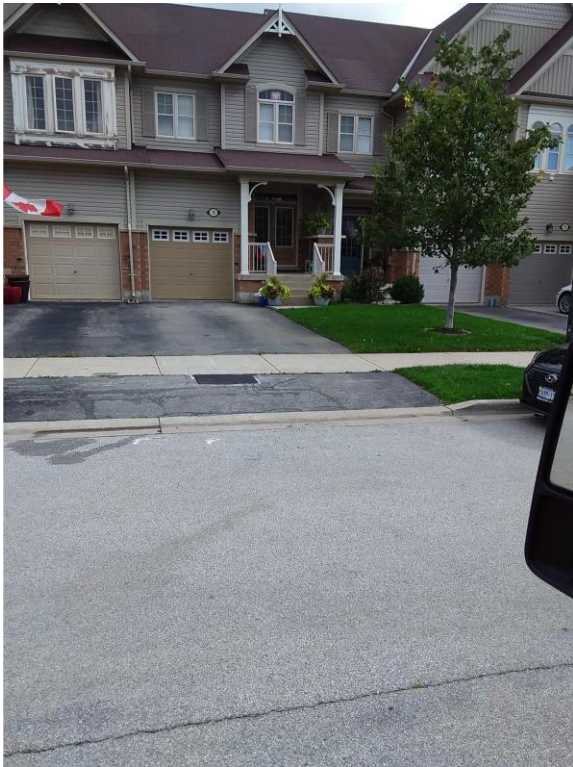
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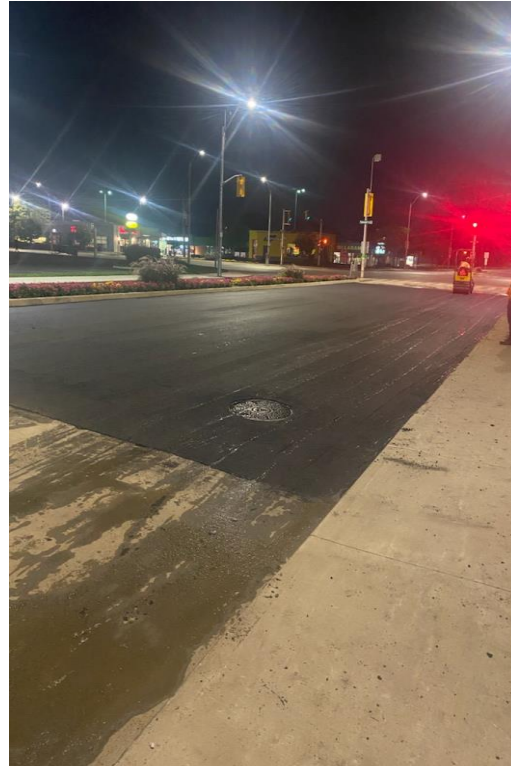
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See also Liquidated Damages and Time for Completion in these Special Provisions.

1. Contract Estimated Quantities Greatly Exceeded



Delcar Crt
Driveway Restoration
Area = 0.36m²
Completion Time: 10mins



Upper Gage St @ Fennel Ave
Area = 316m²
Completion Time: 18 Hours



1951 Rymal Rd
Area = 386m²
Completion Time: 23 Hours Over 2 Days

1. Contract Estimated Quantities Greatly Exceeded

► *How has this Affected APM?*



1. Contract Estimated Quantities Greatly Exceeded

- ▶ *How has APM Responded to Exceeded Quantities?*



2. Variations in City's Contract Administration Procedures Over the 4 Years

Week 34 2017 - Aug 22 2017 due October 6 2017													
	Complete		ID	Name	Distric	Mark	Picture	Geometr	Sod	Joint Hea	CI Clas	Comments	
2	21-Aug-17												
3			82 HOUGHTON N, HAMILTON	Pw6143273	w/w/w	3E	Y	Y	Y	Y - 4.3*1.2	N	2	ASP ROAD, CW-C, SOD
4	Mar 15 2017	Mar 15 2017	1036 FENNELL AVE E HAMILTON	Pw6110320	w/w/w	4E	Y	Y	Y	N	N	3	Road, Walk, Approach, Driveway
5	Aug 1 2017	Aug 2 2017	165 BARNESDALE AVE N HAMILTON	Pw6190055	w/w/w	3E	Y	Y	Y	Y - 3.1m x 1.0m	N	4	ROAD, WALK, SOD, PRIV WALK
6	Aug 1 2017	Aug 2 2017	34 BEAVERTON DR HAMILTON	Pw6190144	w/w/w	4E	Y	Y	Y	N	N	2	ROAD
7	Aug 1 2017	Aug 2 2017	1338 UPPER GAGE AVE HAMILTON	Pw6190171	w/w/w	4E	Y	Y	Y	N	N	2	WALK, CURB
8	February 2 2017	Aug 1 2017	87 and 91 Huxley Ave S...cut at # 87 only	EP12522A	Alcetra	3E	Y	Y	Y	N	N	3	Driveway
9	Aug 3 2017	Aug 4 2017	40 GLADESTONE AVE, HAMILTON	Pw6191692	w/w/w	3E	Y	Y	Y	Y - 5.30m x 1.0m	N	3	ROAD, WALK, SOD
10	July 31 2017	Aug 3 2017	186 GRENFELL ST HAMILTON	Pw6190368	w/w/w	3E	Y	Y	Y	N	N	3	ROAD
11	Aug 2 2017	Aug 3 2017	36 BURRIS ST HAMILTON	Pw6190408	w/w/w	3E	Y	Y	Y	Y - 3.30m x 0.80m	N	2	ROAD, SOD
12	Aug 2 2017	Aug 3 2017	87 TRAGINA AVE S HAMILTON	Pw6190451	w/w/w	3E	Y	Y	Y	Y - 2.80m x 1.0m	N	2	ROAD, SOD
13	Aug 2 2017	Aug 3 2017	62 ST. CLAIR AVE HAMILTON	Pw6190593	w/w/w	3E	Y	Y	Y	Y - 4.30m x 1.00m	N	2	ROAD, SOD
14	Aug 2 2017	Aug 3 2017	103 TRAGINA AVE S HAMILTON	Pw6190667	w/w/w	3E	Y	Y	Y	NO SOD DONE BY OWNER	N	2	ROAD
15	Aug 2 2017	Aug 3 2017	60 CAMBRIDGE AVE HAMILTON	Pw6190676	w/w/w	3E	Y	Y	Y	N	N	3	ROAD
16	Aug 3 2017	Aug 4 2017	70 BIRCH AVE HAMILTON	Pw6191803	w/w/w	3E	Y	Y	Y	Y - 3.0m x 1.0m	N	3	ROAD, SOD
17	Aug 3 2017	Aug 4 2017	204 KENSINGTON AVE N HAMILTON	Pw6191823	w/w/w	3E	Y	Y	Y	N	N	2	ROAD, WALK, PRIV WALK
18	Aug 4 2017	Aug 4 2017	665 KING ST E HAMILTON	Pw6191842	w/w/w	3W	Y	Y	Y	N	N	3	ROAD
19	Aug 3 2017	Aug 4 2017	81 CRANE CRT HAMILTON	Pw6191843	w/w/w	3W	Y	Y	Y	Y - 3.3m x 1.2m	N	3	ROAD, WALK, DRIVEWAY, APPROACH, SOD
20	Aug 3 2017	Aug 4 2017	33 CENTURY ST HAMILTON	Pw6191864	w/w/w	3W	Y	Y	Y	Y - 0.5m x 0.5m	N	4	SOD, TOP SOIL
21	Aug 4 2017	Aug 8 2017	174 WEST 32ND ST HAMILTON	Pw6192354	w/w/w	4W	Y	Y	Y	N	N	3	ROAD, WALK, RIVER ROCK FOR GARDEN
22	Aug 4 2017	Aug 8 2017	75 CUMBERLAND AVE HAMILTON	Pw6192374	w/w/w	3E	Y	Y	Y	N	N	2	ROAD
23	Aug 4 2017	Aug 8 2017	28 EVERTON PL HAMILTON	Pw6192404	w/w/w	3E	Y	Y	Y	3.8m x 1.70m + 2.10m x 1.4	N	3	ROAD, WALK, SOD
24	Aug 4 2017	Aug 8 2017	PRINCESS ST @ WEST OF BIRCH ST, HAMILTON	Pw6192527	w/w/w	3E	Y	Y	Y	1.9m x 2.0m	N	3	ROAD, CURB, SOD
25	Aug 4 2017	Aug 8 2017	175 WEST 27TH ST HAMILTON	Pw6192551	w/w/w	4W	Y	Y	Y	Y - 5m x 1m	N	2	ROAD, WALK, SOD, TOP SOIL
26	Aug 4 2017	Aug 8 2017	25 EAST 34TH ST HAMILTON	Pw6192553	w/w/w	4E	Y	Y	Y	N	N	2	ROAD, WALK, DRIVEWAY, PRIV CURB PRECAST ON SITE
27	Aug 4 2017	Aug 8 2017	170 MOHAWK RD W HAMILTON	Pw6192560	w/w/w	4W	Y	Y	Y	Y - 3m x 6m	N	1	ROAD, CURB, SOD, TOP SOIL
28	July 26 2017	Aug 8 2017	43 Garden Avenue, Hamilton	EP14044A	Bell	4W	Y	Y	Y	N	N	3	Walk
29	Aug 6 2017	Aug 9 2017	47 FORESTGATE DR HAMILTON	Pw6192587	w/w/w	4W	Y	Y	Y	N	N	1	ROAD, WALK, DRIVEWAY
30	Aug 8 2017	Aug 9 2017	22 ROSEDENE AVE, HAMILTON	Pw6193023	w/w/w	4W	Y	Y	Y	Y - 4.70m x 1.50m	N	2	ROAD, WALK, SOD, TOP SOIL, PRIVATE WALK
31	Aug 8 2017	Aug 9 2017	80 WEST AVE N HAMILTON	Pw6193063	w/w/w	3W	Y	Y	Y	N	N	2	ROAD, WALK, SOD
32	Aug 8 2017	Aug 9 2017	192 BUCKINGHAM DR, HAMILTON	Pw6193067	w/w/w	4W	Y	Y	Y	N	N	3	ROAD, WALK, DRIVEWAY, CURB
33	Aug 8 2017	Aug 9 2017	252 ROSSLYN AVE N, HAMILTON	Pw6193280	w/w/w	3E	Y	Y	Y	Y - 2m x 2m	N	2	WALK, SOD
34	Aug 8 2017	Aug 10 2017	KENILWORTH AVE N, SOUTH OF ALBANY AVE, SE CORNER	Pw6193296	w/w/w	3E	Y	Y	Y	N	N	3	ROAD, WALK, PVD BLVD, CURB, CB ADJ
35	Aug 8 2017	Aug 10 2017	149 PROSPECT ST N HAMILTON	Pw6193314	w/w/w	3E	Y	Y	Y	N	N	3	ROAD
36	Aug 9 2017	Aug 10 2017	84 TISDALE ST N HAMILTON	Pw6193497	w/w/w	3W	Y	Y	Y	Y - 3.6m x 1.0m	N	3	ROAD, WALK, SOD
37	Aug 9 2017	Aug 10 2017	23 ROSSLYN AVE N HAMILTON	Pw6193700	w/w/w	3E	Y	Y	Y	N	N	2	TOPSOIL FOR GARDEN SEE OWNER
38	Aug 9 2017	Aug 10 2017	325 JAMES ST S HAMILTON	Pw6193716	w/w/w	3W	Y	Y	Y	N	N	2	ROAD
39	Aug 9 2017	Aug 10 2017	336 EAST 37TH ST HAMILTON	Pw6193776	w/w/w	4E	Y	Y	Y	NO SOD REQUIRED	N	4	ROAD, WALK
40	Aug 9 2017	Aug 10 2017	297 PARKWOOD CRES HAMILTON	Pw6193777	w/w/w	4E	Y	Y	Y	N	N	3	ROAD
41	Aug 9 2017	Aug 10 2017	726 STRATHEARNE AVE	Pw6193798	w/w/w	3E	Y	Y	Y	Y - 2m x 2m	N	3	ROAD, SOD, CURB
42	Aug 9 2017	Aug 10 2017	93/103 WISE CRES HAMILTON	Pw6193804	w/w/w	4E	Y	Y	Y	N	N	3	ASP DRIVEWAY
43	July 17 2017	Aug 4 2017	257 Wellington Street North, Hamilton	EP13092A	UNION GAS Maint.	3W	Y	Y	Y	N	N	2	WALK
44	July 17 2017	Aug 4 2017	255 Wellington Street North, Hamilton	EP13091A	UNION GAS Maint.	3W	Y	Y	Y	N	N	2	WALK
45	July 17 2017	Aug 1 2017	33 Fennell Avenue East Hamilton	EP13083A	UNION GAS Maint.	4W	Y	Y	Y	N	N	4	ROAD, DRIVEWAY x2
46	July 17 2017	July 19 2017	310 Barton Street East, Hamilton	EP13095A	UNION GAS Maint.	3W	Y	Y	Y	N	N	3	WALK
47	Aug 9 2017	Aug 11 2017	185 Parkview Dr Hamilton	Pw6193818	w/w/w	3W	Y	Y	Y	N	N	3	ROAD
48	Aug 9 2017	Aug 11 2017	32 Rosslyn Ave N, Hamilton	Pw6193820	w/w/w	3E	Y	Y	Y	N	N	2	ROAD, WALK, CONC DRIVE
49	Aug 9 2017	Aug 11 2017	40 East Ave N	Pw6193831	w/w/w	3W	Y	Y	Y	Y - 4.3m x 1.0m	N	2	ROAD, SOD
50	Aug 10 2017	Aug 11 2017	209 MacNab St. N @ Colbourne St. SW corner	Pw6194096	w/w/w	3W	Y	Y	Y	N	N	3	ROAD, WALK
51	Aug 10 2017	Aug 11 2017	17 Melbourne St. Hamilton	pw6194195	w/w/w	3W	Y	Y	Y	N	N	2	ROAD

2. Variations in City's Contract Administration Procedures Over the 4 Year

ROAD CUT RESTORATIONS CONTRACT C15-20-14													TOTAL	
PAYMENT # 7														
DATE SUBMITTED: September 21, 2017														
SUBMITTED BY: Marco Capobianco														
Crew	Date complete	Location	Work Sheet #	Week	ID	Column 1 Item#	Column 2 Unit Price	Length	Width	Area	Item Total	Total	Comments	
Rick	14-Aug					9				1.8	\$0.00			
Rick	14-Aug	436 StoneChurch Rd E			EP14062A	7				2.4	\$0.00			
Rick	14-Aug	835 STONE CHURCH RD E HAMILTON			Pw6166849	7				4.5	\$0.00			
Rick	14-Aug	895 UPPER GAGE AVE, HAMILTON			EP13051A	7				2.3	\$0.00			
Rick	10-Aug	921 UPPER GAGE AVE, HAMILTON			EP13052A	7				2.3	\$0.00			
Rick	10-Aug	943 UPPER GAGE AVE, HAMILTON			EP13053A	7				2.5	\$0.00			
Rick	10-Aug	963 UPPER GAGE AVE, HAMILTON			EP13054A	7				2.4	\$0.00			
Rick	10-Aug	416 EAST 37TH ST HAMILTON			Pw6168221	8				11.1	\$0.00			
basso	23-Aug					5c		4.4	3	13.2	\$0.00			
Rick	10-Aug	225 FERNWOOD CRES HAMILTON			Pw6172038	8				10	\$0.00			
basso	23-Aug					5c		4.7	5.7	26.79	\$0.00			
basso	23-Aug					20		5	3.4	17	\$0.00			
basso	23-Aug	386 UPPER KENILWORTH, HAMILTON AVE			EP13048A	5c		1.8	1.4	2.52	\$0.00			
Rick	10-Aug	1256 FENNEL AVE E HAMILTON			Pw6169766	15				2.5	\$0.00			
basso	23-Aug					5c		5.8	4.7	27.26	\$0.00			
Rick	10-Aug	440 UPPER OTTAWA ST HAMILTON			Pw6167868	7				6.9	\$0.00			
basso	23-Aug					5c		6.7	4	26.8	\$0.00			
Rick	10-Aug	554 UPPER SHERMAN AVE HAMILTON			Pw6170623	7				4.7	\$0.00			
Rick	24-Aug	60 Gray Rd, Stoney Creek			EP1575A	8				7	\$0.00			
Rick	24-Aug	173 GAINSBOROUGH RD HAMILTON			Pw6165343	8				7.8	\$0.00			
basso	1-Sep					5c		5.5	5	27.5	\$0.00			
Rick	24-Aug	257, 259 GRAY RD STONEY CREEK			Pw6172035	7				6.6	\$0.00			
Rick	24-Aug					15				4.7	\$0.00			
basso	1-Sep					5c				59	\$0.00			
Rick	24-Aug	417 Highway 8 Stoney Creek			EP12451A	7				2.3	\$0.00			
basso	1-Sep					20		3.6	1.2	4.32	\$0.00			
Rick	24-Aug	419 Highway 8 Stoney Creek			EP12452A	7				5.1	\$0.00			
basso	1-Sep					20		2.8	1.4	3.92	\$0.00			
Rick	24-Aug	176 Millen Road Stoney Creek			EP12450A	7				3	\$0.00			
Rick	24-Aug	7 HERBERT CRT STONEY CREEK			Pw6172638	7				16.3	\$0.00			
basso	1-Sep					5c		3.4	2.8	9.52	\$0.00			
Above submitted Sept 13th						Above submitted Sept 13th								
Rick/basso	24-Aug	350 parkdale dr			EP12602A	6				9	\$0.00			
Rick/basso						4a				9	\$0.00			
Rick/basso						5c				17.73	\$0.00			
Rick/basso						25				1	\$0.00			
Basso	20-Aug	West ave @ wilson			EP12757A	5c				52.85	\$0.00		Addition to west ave cut as per email by rob	
						25				1	\$0.00			
Rick/basso	23-Aug	64 MELROSE AVEN, HAMILTON			EP12800A	7				9.9	\$0.00			

2. Variations in City's Contract Administration Procedures Over the 4 Year

The screenshot displays the Cityworks web application interface. The browser tabs include 'search results - fleet complete', 'Login | Fleet Complete', 'Tracking', and 'Cityworks'. The address bar shows the URL: <https://ham-cityworks.hamilton.ca/CityworksProd/Inbox/InboxPage.aspx?tab=278&>. The Cityworks logo is visible in the top left, and a search bar is in the top right. The user is logged in as 'Associate, Leadhand'. The main navigation bar includes 'READY FOR RESTORATION', 'RESTORATIONS - HARD SURFACE', 'RESTORATIONS - SOFT SURFACE', 'BILLING/INVOICING', and 'Reports'. The 'READY FOR RESTORATION' tab is active, showing a list of projects under the sub-tab 'Issued to Contractor'. The table below lists various restoration projects with columns for 'Wo', 'Description', 'Priority', 'Status', 'Actual Start', and 'Address'. The table shows 16 rows of data, all with a status of 'IN PROGRESS'. The bottom of the table indicates 'Rows 100' and '1 - 100 of 1216'.

Wo	Description	Priority	Status	Actual Start	Address
20110	Concrete Sidewalk Restoration	2	IN PROGRESS	09/30/2021 3:49 PM	3033 Binbroc
26524	Asphalt Road Surface Restoration	2	IN PROGRESS	01/4/2021 12:27 PM	196 WILSON
26525	Asphalt Road Surface Restoration	2	IN PROGRESS	01/4/2021 12:27 PM	196 WILSON
26526	Asphalt Road Surface Restoration	2	IN PROGRESS	01/4/2021 12:27 PM	198 WILSON
28406	Sod Restoration	2	IN PROGRESS	08/18/2021 11:59 AM	Genoa Drive
29184	Concrete Driveway Restoration	2	IN PROGRESS	03/23/2021 2:06 PM	124 FAIRLEI
30181	Concrete Sidewalk Restoration	2	IN PROGRESS	04/29/2021 12:14 PM	562 CANNON
30962	Other Driveway Restoration	2	IN PROGRESS	06/30/2021 5:35 PM	19 RICARD
31062	Concrete Sidewalk Restoration	2	IN PROGRESS	06/18/2021 1:32 PM	685 Britannic
31065	Landscaping Restoration	2	IN PROGRESS	06/18/2021 1:32 PM	142 Duke Str
31383	Landscaping Restoration	2	IN PROGRESS	06/17/2021 3:47 PM	104 Munn St
31391	Concrete Sidewalk Restoration	2	IN PROGRESS	10/28/2021 9:28 AM	Hughson St I
31426	Landscaping Restoration	2	IN PROGRESS	06/18/2021 1:32 PM	79 Poulette S
31581	Other Driveway Restoration	2	IN PROGRESS	06/30/2021 5:20 PM	146 Aberdeen
31619	Concrete Sidewalk Restoration	2	IN PROGRESS	06/30/2021 5:20 PM	29 Granville

2. Variations in City's Contract Administration Procedures Over the 4 Year

Restoration # 1



Work Order #1

Work Order #2

Work Order #3

2. Variations in City's Contract Administration Procedures Over the 4 Year

The screenshot displays the Cityworks web application interface for a Work Order. The browser address bar shows the URL: <https://ham-cityworks.hamilton.ca/CityworksProd/WorkManagement/WOGeneralEdit.aspx?WorkOrderId=32539>. The Cityworks logo is visible in the top left corner.

Work Order Details:

- Type of Work: Road Cut - Hard Surface Restoration
- Work Desc: Asphalt Driveway Restoration
- Entity Type: ROW_CORRIDOR
- Work Order ID: 32539
- Status: IN PROGRESS
- Priority: Medium
- SubStatus: COMPLETED: SUBMIT
- MarkOut By: White, Steve
- MarkOut Date: 07/30/2021 9:51 AM
- Mark Out: 23a - 1.4*5.0 - Asp. Dwy.
- Comments: (empty)

Permit Address:

- Permit Address: 500 Dunsmore Road, Hamilton
- Permit Location Details: (empty)
- Street Compeky: 1535888
- Street OCI: 48.59129528
- Ward: 4

Line Items:

Contract Number	Line Item Materials
RC_2021	RC Asphalt - Reconstruct asphalt driveways and parking areas -

Attachments:

- + Add attachment... Remove all attachments
- 32539.jpg (3.21 MB, 11/3/2021 3:39 PM, Attached by Associate, Leadhand)
- image.jpg (3.34 MB, 07/30/2021 9:57 AM, Attached by White, Steve)

Other Fields:

- Assemble WO: Myageri, Saif
- Hold WO Until: (empty)
- Target Restored: 09/10/2021 12:00 PM
- Closed By: (empty)
- Date: (empty)
- Contractor: Associate, Leadhand
- Supervisor: (empty)
- Begin Work: 07/30/2021 11:47 PM
- Restoration Work Comments: no comments
- Restored Date: (empty)

1. APM Staff notifying City Staff Work permit is completed
2. City Staff enter Quantities for Work Permit
3. APM Staff supplying Photo and verifying quantity
4. City Staff Reviewing Work Permit and approving for payment
5. City Staff issuing Payment to Contractor

2. Variations in City's Contract Administration Procedures Over the 4 Year

► How has this Affected APM?

For Example, *Work Order #32046*
Road Restoration 5.7m x 4m = 22.8m²

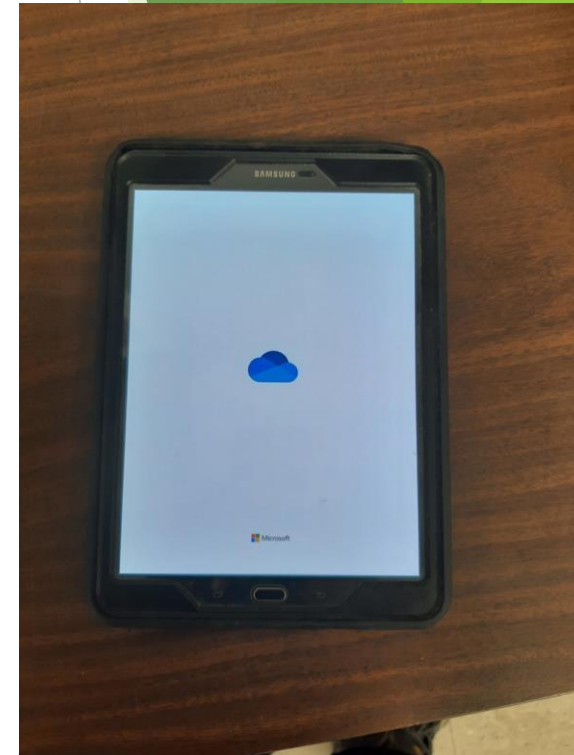
- City Mark Out Date: July 12th
 - City Issue to APM: July 16th
 - Completed by APM: August 23rd
 - Submitted by APM: September 8th
 - COH 6-Week Deadline: August 27th
 - COH recognized Completion: September 29th
 - Closed by COH: October 20th
- Two Months After the restoration was completed

The screenshot displays the Cityworks web application interface for work order #32046. The browser address bar shows the URL: <https://ham-cityworks.hamilton.ca/CityworksProd/Workmanagement/WOGeneralEdit.aspx?WorkOrderId=32046>. The page features a blue header with the Cityworks logo and a search bar. Below the header is an 'Inbox' section with navigation icons for Work Order, Email, Print, Save, Close, Delete, and a location pin. The main content area is divided into several panels:

- Work Order:** Type of Work: Road Cut - Hard Surface Restoration; Work Desc: Asphalt Road Surface Restoration; Entity Type: AM STREETS BY SURFAC; Work Order ID: 32046; Status: CLOSED; Priority: Medium; SubStatus: RESTORED; MarkOut By: Mesicek, Stephen; MarkOut Date: 07/12/2021 10:07 AM; Mark Out: 3a - 5.7*3.9 - Asp. Road; Comments: no comments; Assemble WO: [dropdown]; Hold WO Until: [calendar]; Target Restored: 08/27/2021 12:00 PM; Closed By: Waddell, Bradley; Date: 10/20/2021 2:49:18 PM; Contractor: Associate, Leadhand; Begin Work: 07/16/2021 12:19 PM; Supervisor: [dropdown]; Restoration Work: [dropdown]; Comments: no comments; Restoration Work Verified by: Clarke, Sarah; Restored Date: 09/29/2021 12:00 PM.
- Permit Address:** Permit Address: 11 Buchanan Street, Hamilton; Permit Location Details: [dropdown]; Street Complex: 1538586; Street OCI: 62.3759758; Ward: 8.
- Line Items:** Contract Number | Line Item Materials; RC_2021 | RC_Aspphalt - Full depth asphalt restoration to asphalt on granul; RC_2021 | RC_Pavement Deg Fee - OCI Class 2 (OCI = 61 - 80) Good Road.
- Attachments:** + Add attachment...; Remove all attachments; 32046.jpeg (2.58 MB, Attached by Associate, Leadhand, 09/29/2021 12:35 PM); ADA81B67-B3A7-4E4A-BC89-922C80D0E7FD.jpeg (3.83 MB, Attached by Mesicek, Stephen, 07/12/2021 10:08 AM); B96C8271-8E20-4669-8E6E-DABA38FE9EE6.jpeg (3.82 MB, Attached by Mesicek, Stephen, 07/12/2021 10:08 AM).

2. Variations in City's Contract Administration Procedures Over the 4 Year

- ▶ How has APM Responded?
 1. Purchase and implementation of six Samsung Tablet equipment with built-in wireless capability
 2. Countless hours of APM Managers working directly with City Project Managers as well as communicating with City of Hamilton IT Staff to debug software issues and provide input on how to tailor the software to the program from a contractor POV
 3. Hiring an additional staff member to aid in the Administrative back log during part of Term 3 and Term 4



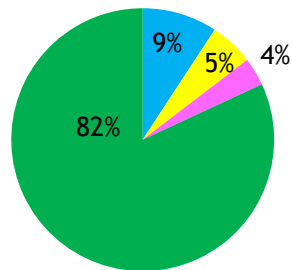
3. Seasonal Material Constraint and Delays Outside of Contractor control

- ▶ Temperature and Weather Sensitive Material
 - ▶ Type 1 Sod
 - ▶ 32Mpa Concrete
 - ▶ SP 9.5mm, Sp12.5mm and SP19mm

3. Seasonal Material Constraint and Delays Outside of Contractor control

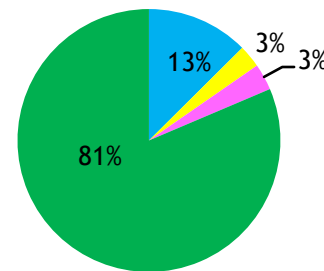
- ▶ How has this Affected APM?
- ▶ APM has not been able to operate on C15-71-17 as below:
 1. Weather (Rain, Snow, Excessive Heat): 24 Days in 2020, 27 Days in 2021
 2. COVID-19 Exposure: 14 Days in 2020, 6 Days in 2021
 3. Statutory Holidays: 9 Days in 2020, 7 Days in 2021

Working Days 2020



■ Inclement weather ■ COVID-19 ■ Statutory Holiday ■ Other

Working Days to Nov.3, 2021



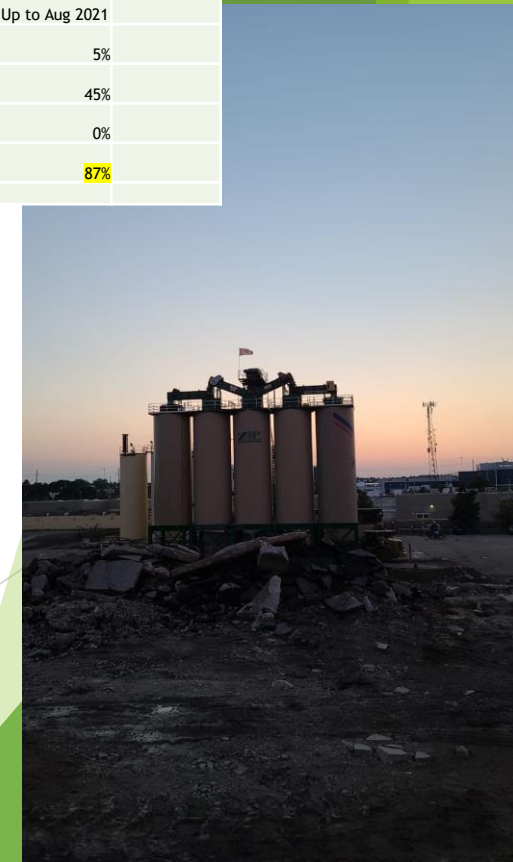
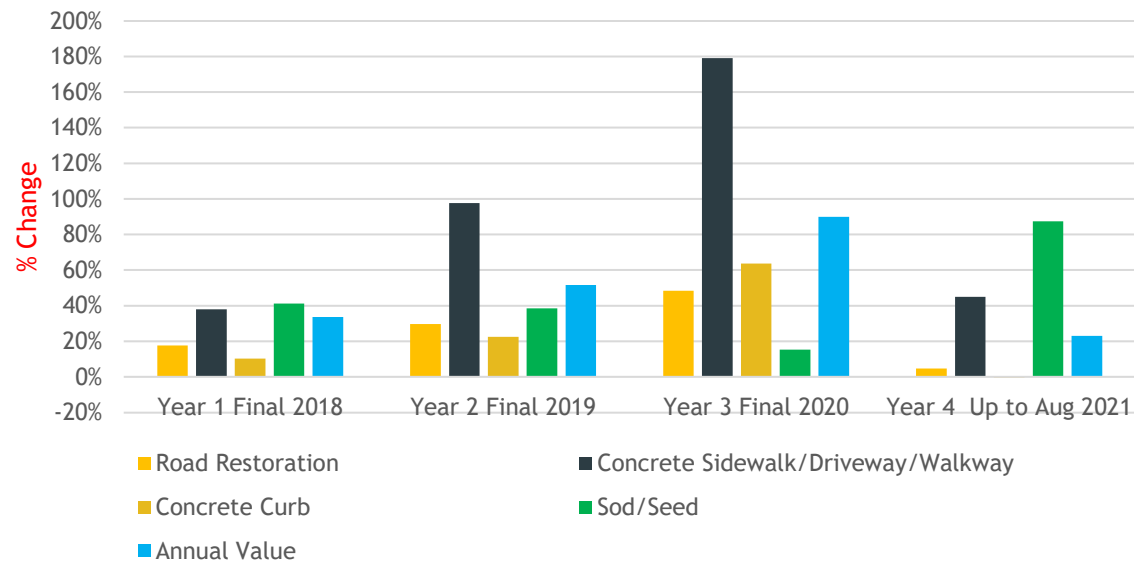
■ Inclement weather ■ COVID-19 ■ Statutory Holiday ■ Other

3. Seasonal Material Constraint and Delays Outside of Contractor control

► How Has APM Responded?

	Estimated	Year 1 Final 2018	Year 2 Final 2019	Year 3 Final 2020	Year 4 Up to Aug 2021		Year 1 Final 2018	Year 2 Final 2019	Year 3 Final 2020	Year 4 Up to Aug 2021
Road Restoration	23,000.00	27,070.55	29,852.30	34,138.13	24,085.84	Road Restoration	18%	30%	48%	5%
Concrete Sidewalk/Driveway/Walkway	5,500.00	7,586.40	10,868.59	15,345.39	7,977.66	Concrete Sidewalk/Driveway/Walkway	38%	98%	179%	45%
Concrete Curb	800.00	882.58	980.17	1,309.00	797.81	Concrete Curb	10%	23%	64%	0%
Sod/Seed	3,500.00	4,945.13	4,849.49	4,033.52	6,560.56	Sod/Seed	41%	39%	15%	87%

% Change over Estimated Quantities



4. City's Required Priority Lists Affecting Productivity

1. Emergency Restoration - To be completed within 24Hr
2. Priority Lists - Given Weekly based on complaints
 - Priority Lists Decrease APM productivity.

Utility Restoration Contract C15-32-21

1. Restoration quantities have increased by to reflect completed quantities of 2020
2. Inclusion of City Works Process, and City Works Expectations
3. Increase Quantity for Topsoil and Seed, Topsoil and Sod - A lesser quantity for sod than we have installed this year.

1.0 SCOPE OF WORK

The scope of work consists of the permanent restoration of utility cuts in asphalt and concrete pavement, sidewalks, curbs, driveway approaches and alleyways required on streets within the limits of the City of Hamilton. Utility cuts are produced by:

- a) Enbridge Gas Ltd.
- b) Bell Canada
- c) Telecommunications
- d) Alectra Utilities
- e) City of Hamilton - water service replacements, sewer and watermain repairs.
- f) Private Contractors

Road restoration Work shall be conducted on arterial and local roads throughout the City as required and shall consist of the following annual estimated quantities:

- Asphalt on granular road restoration – 35,000 square metres
- Exposed concrete and asphalt on concrete road restoration – 180 square metres
- Concrete sidewalk, driveway and walkway restoration – 10,300 square metres
- Concrete curb restoration on local and arterial roads – 1,100 linear metres
- Asphalt driveway restoration – 3,100 square metres
- Supply and placement of topsoil and sod – 4,000 square metres
- Supply and placement of topsoil and seed – 3,000 square metres
- Cold weather placement and protection of concrete – 4,800 square metres

	Year 3 Final 2020
Road Restoration	34,138.13
Concrete Sidewalk/Driveway/Walkway	15,345.39
Concrete Curb	1,309.00
Sod/Seed	4,033.52

Commendations On APM's Performance

“APM's Performance on this project has grown to a point that your group is now setting the bar which other were not able to achieve”

City Of Hamilton Restorations Project Manager 2015

“This is exactly the Performance the city needs in order to deliver this contract, and I can honestly say this is the best state the program has been in since I have been managing this contract”

City Of Hamilton Restorations Project Manager 2018

“Over the past year [APM's project manager's name] consistent focus on these skills has allowed him to effectively manage and improve the road cuts program

City Of Hamilton Restorations Project Manager 2020

