

Hilroy

✓✓ May 5 / 2004  
to  
Nov 21 / 2005

SUBJECT **3** SUJETS

NOTEBOOK • CAHIER

300 Pages 26.7x20.3cm



13225

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Tuesday, primary 4/05

Meeting with Gary Moor for the City of Hamilton

~ 21.6 km to 29.1 = 8.5 km  
4 lane expressway

90 km/hr posted speed  
des. speed 100-110 km/hr

4 lane facility  
2<sup>nd</sup> grade vs 4<sup>th</sup> grade  
truck clearing lane

70,000 veh/day a day it opens  
the  
\$400,000,000 job  
the largest municipal undertaking in Canada  
rural section

450 subbase Gr. B Type 2  
150 base Gr. A

120 HL 8  
40 HL 1

Not to mix the grade  
structures urban sections & bridges

fill embankment  
rock cut areas  
large fill areas  
earth fill areas

embankment fills  
emb. will consolidate, eyes of const. eq.  
on the embankment

Open in 2007  
primary late 2006

subgrade plan  
graded roads

8-12% trucks, MTD on freeway  
to growth

opened

max 80,000 veh/day

70,000 5% and flows at 80,000

Freeway

15 yrs, 2 ramps

SMA - Gary wants to use  
3 MB gas - noise abatement

Right PGAC

150,000 tonnes  
greenfield cond. with no traffic, elaborate paving,

big quantity of paving  
total 120,000 tons, 30,000 surface course

the mix use Superpave mixes

SMA on the top

Do they need to provide for SMA  
steel slag  
local high quality limestone  
Laforge

steel slag SMA as a hot section

Less on cut than NTO

SMA is already there

Debris cost

If a \$2,000,000 - a backup required.

What the backup number are and how  
proceed.

CTAA paper.

Until 2006, kerbs spec - spring 2006.

End of Feb.

low 2 gage letters - outlining sent to do.

Functional stage

- feasibility stage -
- design stage - another proposal.

Tuesday, Jan 11/05

Meeting with Gary Moore from Hamilton.





Tuesday March 15/05

1) Notes for Gary



6) Hamilton  
7)

Wednesday March 16/06

1) Meeting with Gary Moore from the City of Hamilton

a) RHCE project

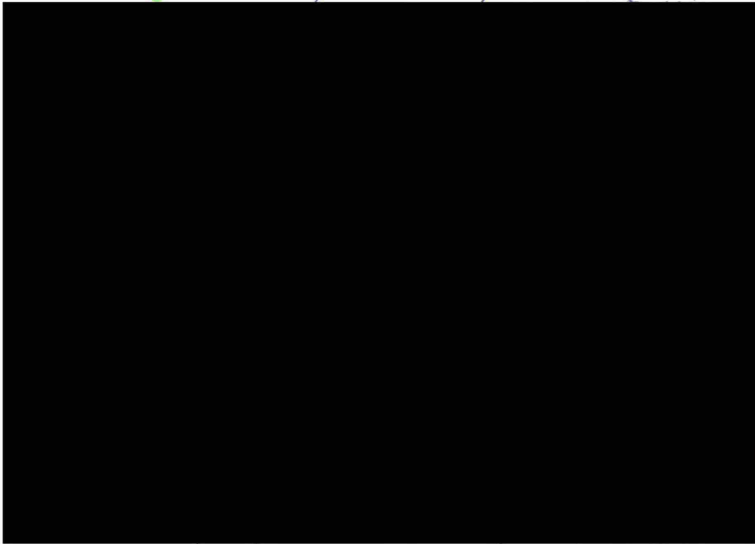
b) CTAA paper

11:05

11:52 Arriving



✓ Tuesday Nov 15/05



✓ 5/ Gary Moore



2005

✓ Jan 4/05  
to  
Dec 23/05

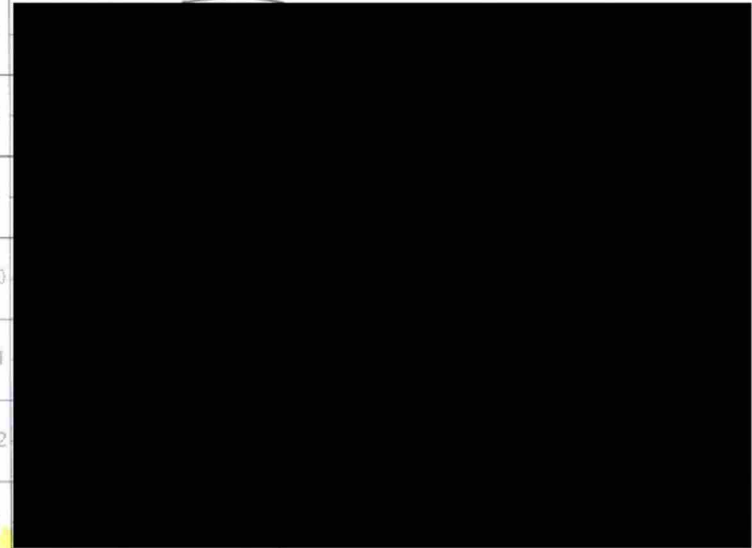
October 12  
2005

September 2005							October 2005							November 2005						
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18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
							30	31												

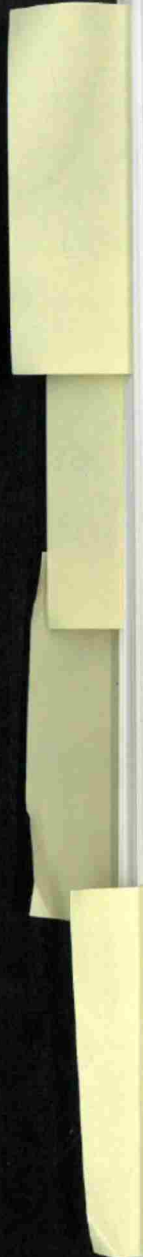
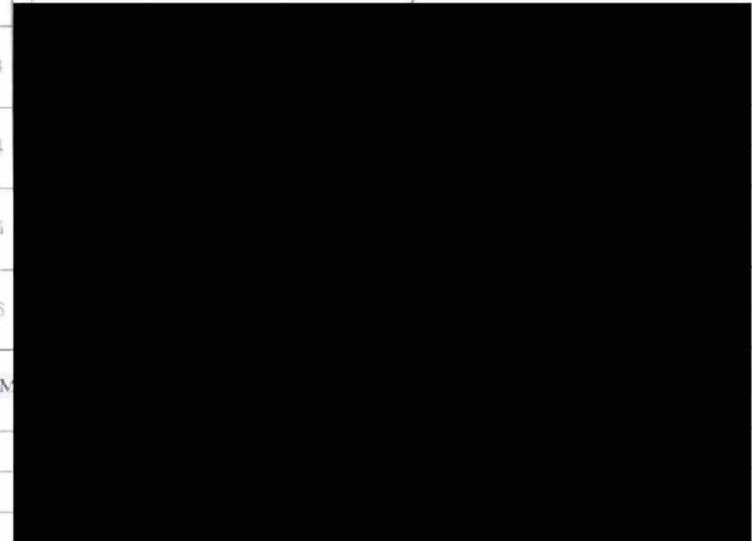
12 Wednesday

Week 41 285/080

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of Harrison - report



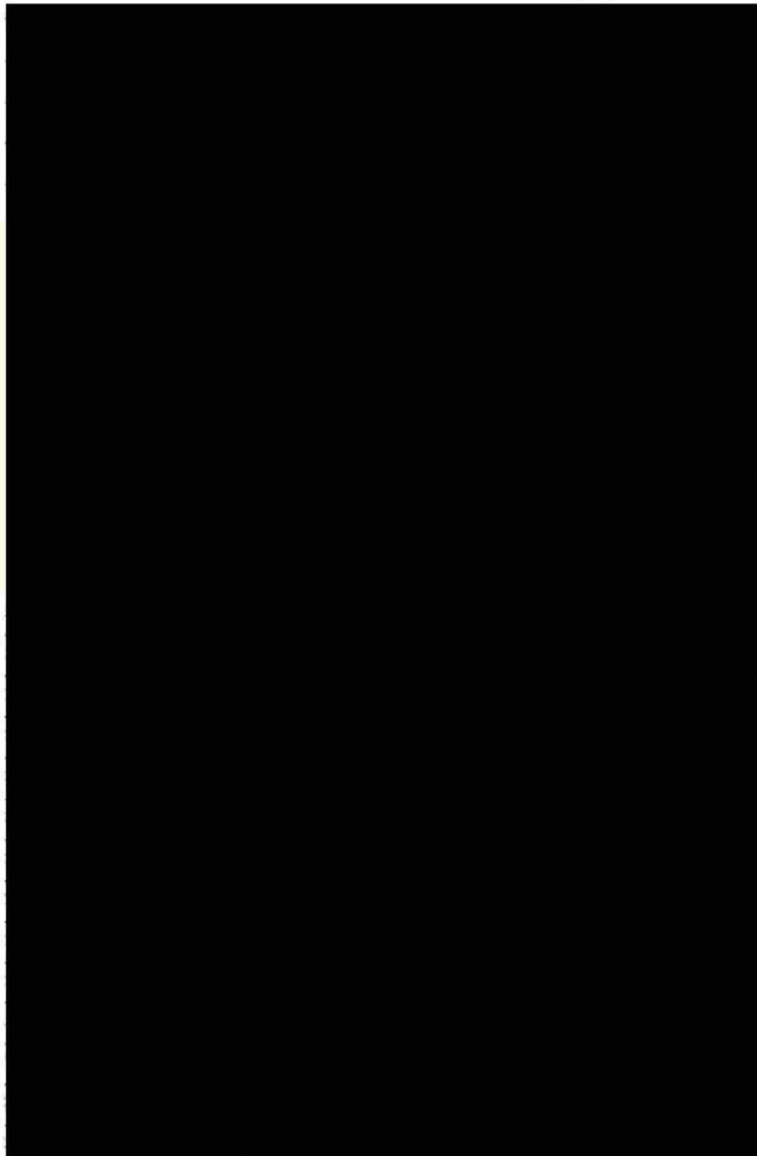


Day-by-Day  
Journal  
Jour-par-jour  
**2007**

✓ Jan 2 / 07  
to  
Dec 21 / 07

**26** April/Avril  
Thursday/Jeudi

April/Avril 2007						
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116/249

2007

May/Mai 2007						
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April/Avril **27**  
Friday/Vendredi

7:00 ✓ // RHVP - *misses* 2. #hrs 7:00



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2007

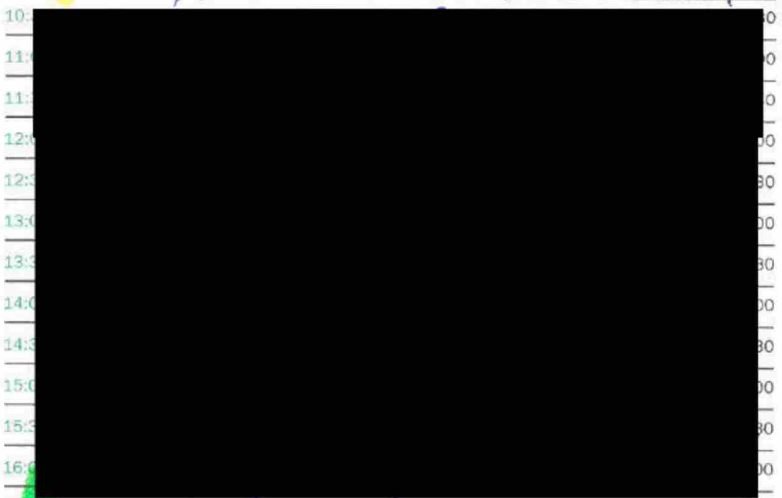
117/248

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May/Mai 15  
Tuesday/Mardi



9:30 3) Gary Moore 061181230  
10:00 - sensors in RHVP 2 hrs



16:30 9) Asheville FWD RHVP 0.5 hr

17:30

18:00

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21:00

# 31 July/Juillet

## Tuesday/Mardi

July/Juillet 2007						
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7:30 1) RMVP - SMA - appendage 2  
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August/Août 2007						
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# August/Août 1

## Wednesday/Mercredi

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8:00 - test strip SMA 4  
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# 13 September/Septembre

## Thursday/Jeudi

Rosh Hashanah / Roch Hachana

September/Septembre 2007

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10:30	3) Manda RHVP
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17 September/Septembre  
Monday/Lundi

September/Septembre 2007						
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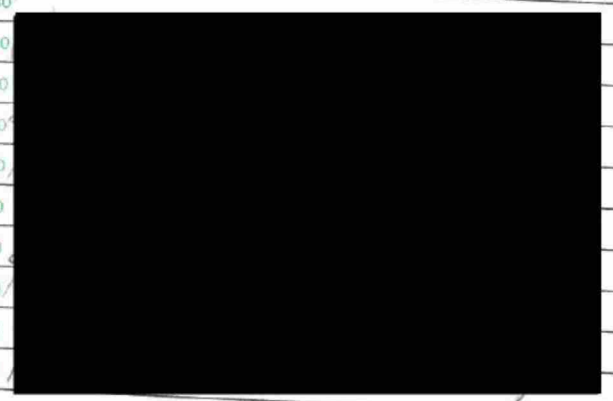
7:00		7:00
7:30		7:30
8:00		8:00
8:30	meeting with Gary	8:30
9:00	Moore @ 10:00 hrs	9:00
9:30	in Hamilton - budget	9:30
10:00	on RHP	10:00
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October/Octobre 22  
Monday/Lundi



11:30 Presentation for ORNPA on  
 12:00 RMNP - bus tour



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23 October/Octobre  
S Tuesday/Mardi

October/Octobre 2007

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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

7: 7:00 ✓ 1) OHMMA bus tour 7:00

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21: 21:00 21:00

296/69

2007



Hilroy

✓  
✓ February 19/2007  
to  
May 30/2007

**140** Pages  
26.7x20.3cm

**I SUBJECT NOTEBOOK**  
**CAHIER I SUJET**

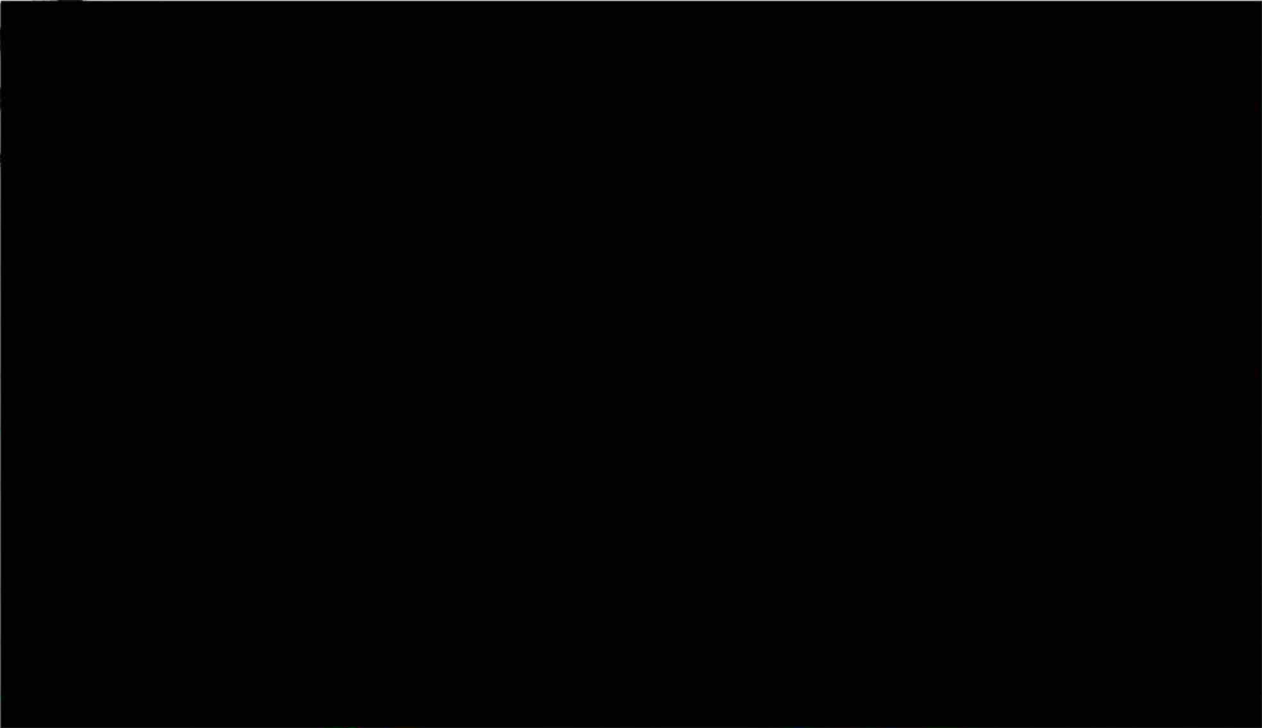
MADE IN CANADA



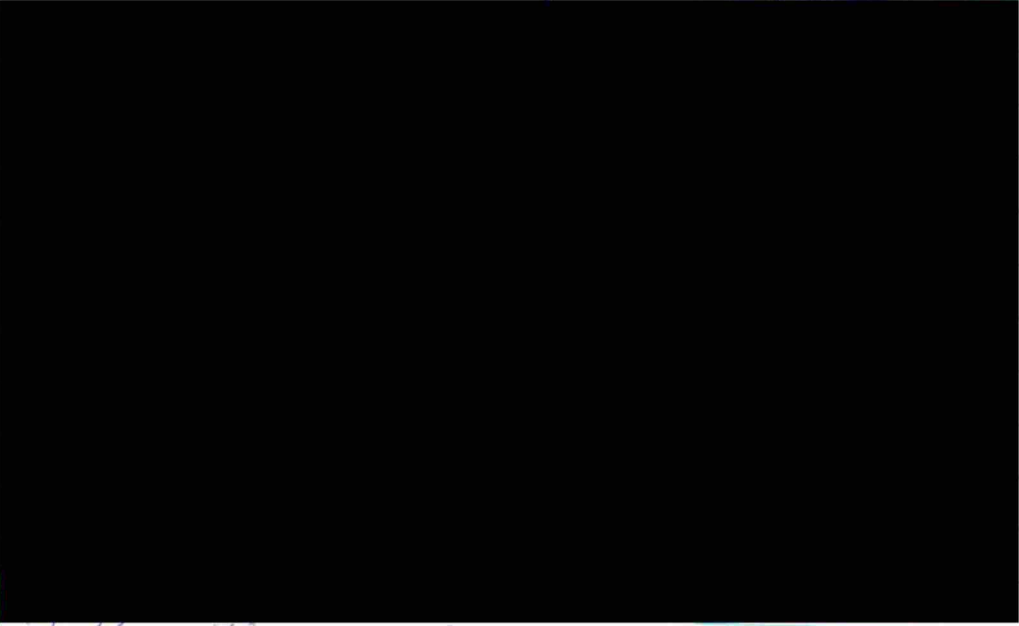
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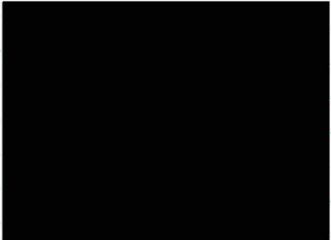


Wednesday Feb 28/07



7/ Hamilton - RHVP & Resurpacy





Monday March 19/07



4/ Hamilton RHVP



Hamilton  
7,000,000 specifications  
< 100,000 cycles  
@ steric level

$$N_i = K \left(\frac{1}{\epsilon_0}\right)^4$$

Hamilton — Philips, talk to Gary

6/

Tuesday March 20/07

Meeting in Hamilton

• Action — mix designs — will be done today, 90% of the work is done

RBM, SP19, SP25

• Aggregate stockpile

5) Asphalt issue

RBM mix — done

issue — fatigue testing  
diphasic procedure — next week  
setting 4.6mm  
no lime  
AV 3.2%

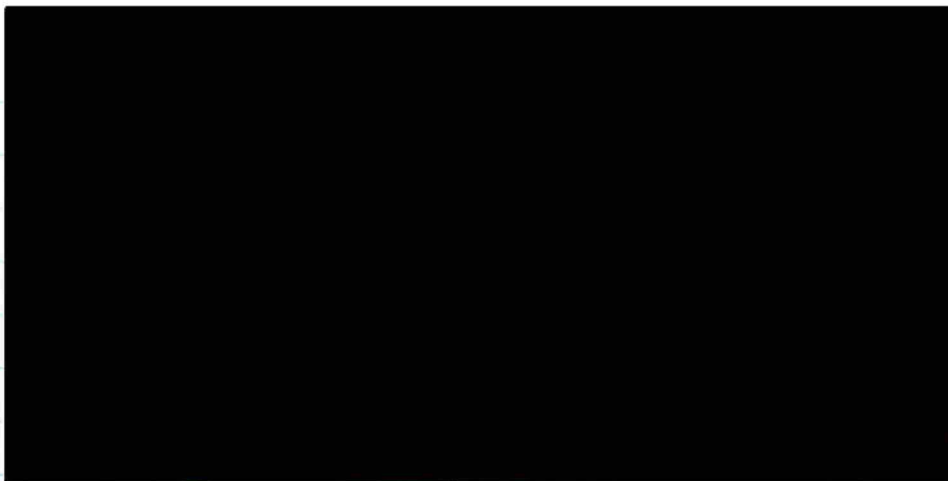
SP19 mix — ready 4.5%  
25 4.0

Wednesday March 21/07

1. Memo

2. Gary Moore

6) RHUP mix designs  
7) aggregates for Quebec



✓ ✓ Wednesday April 4/07



2) Messages

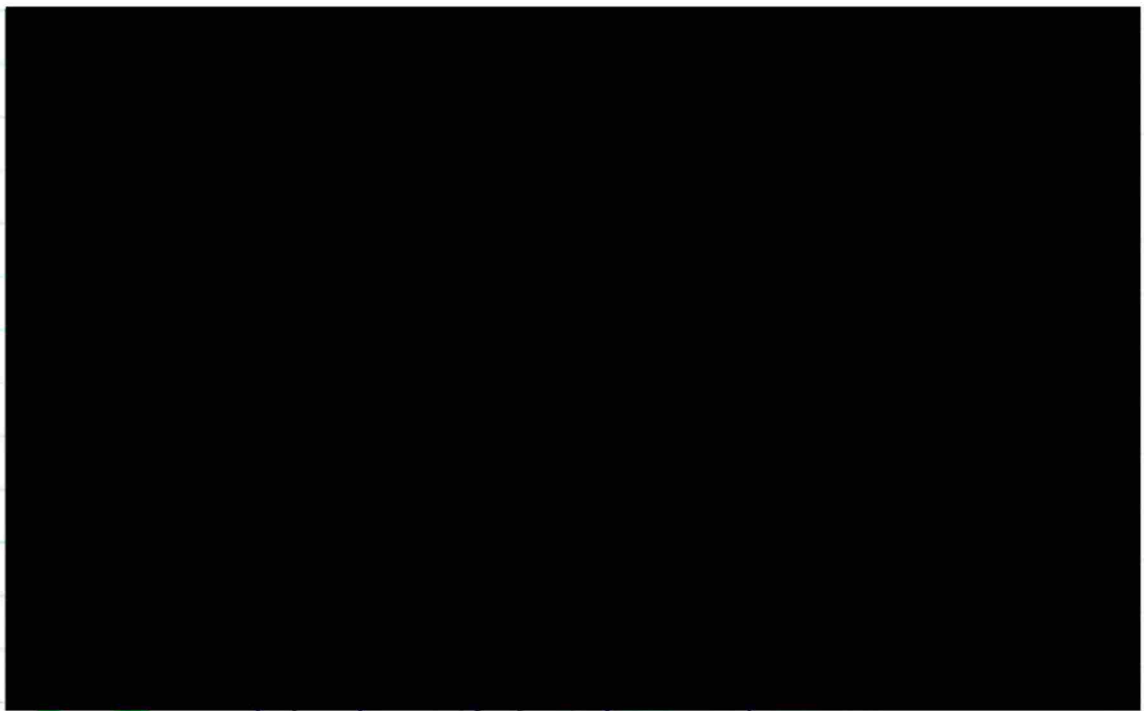
- April 9 - Philips - Walter - meeting
  - Jeff McAnis - Philips -
  - Lori 37731
  - → Thursday 2:00pm meeting
- 



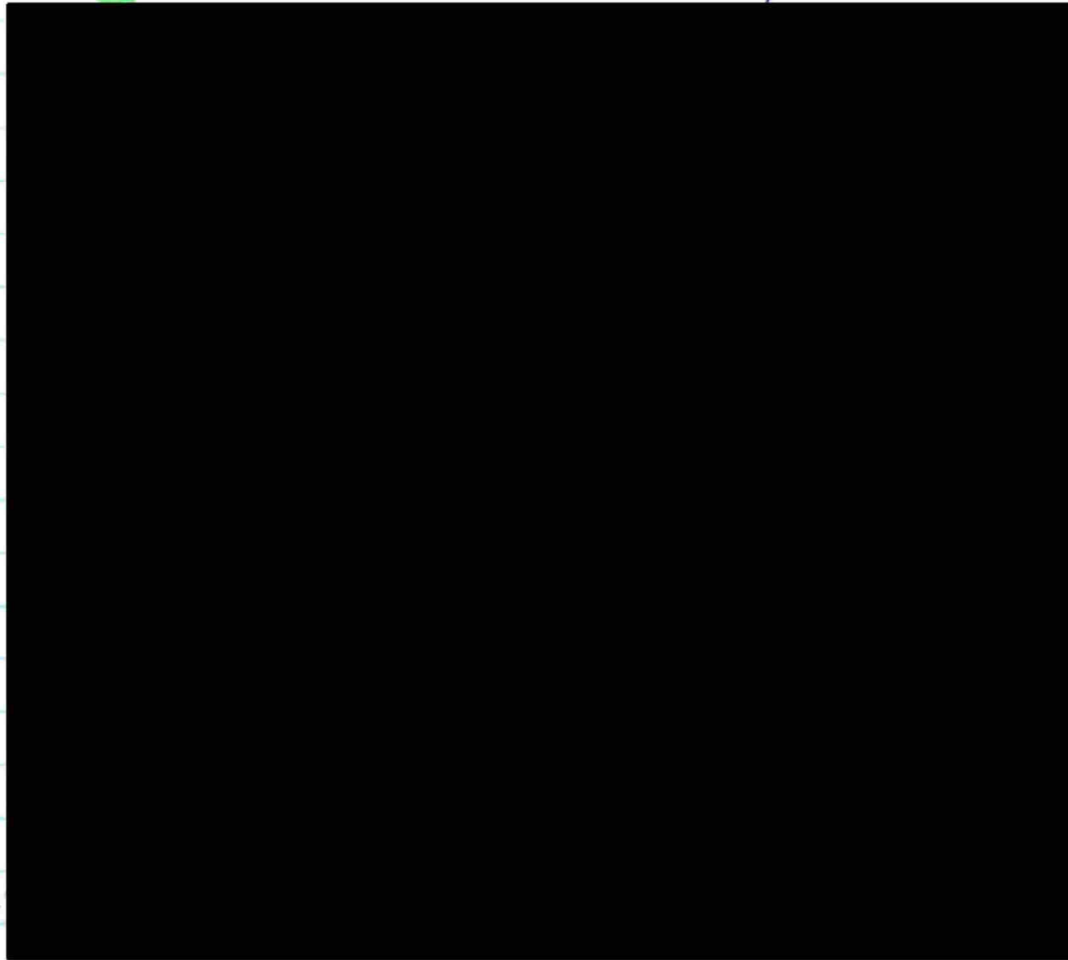
3) Hamilton

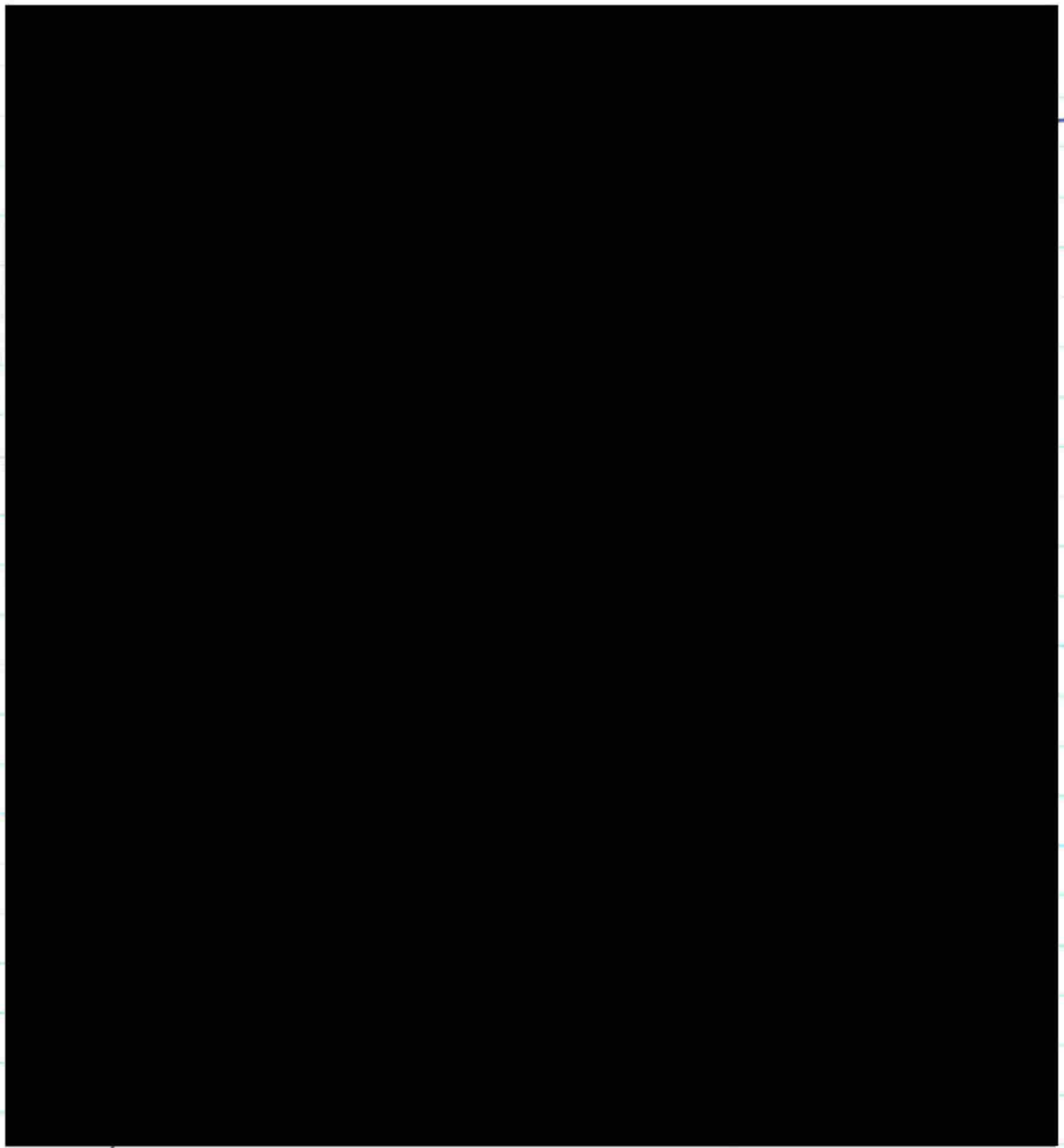
- tensile strain sensors
- resurfacing
- RMVP - fatigue life testing
- mix designs - review - verification
- QEW open cut





✓ Hamilton - mix testing



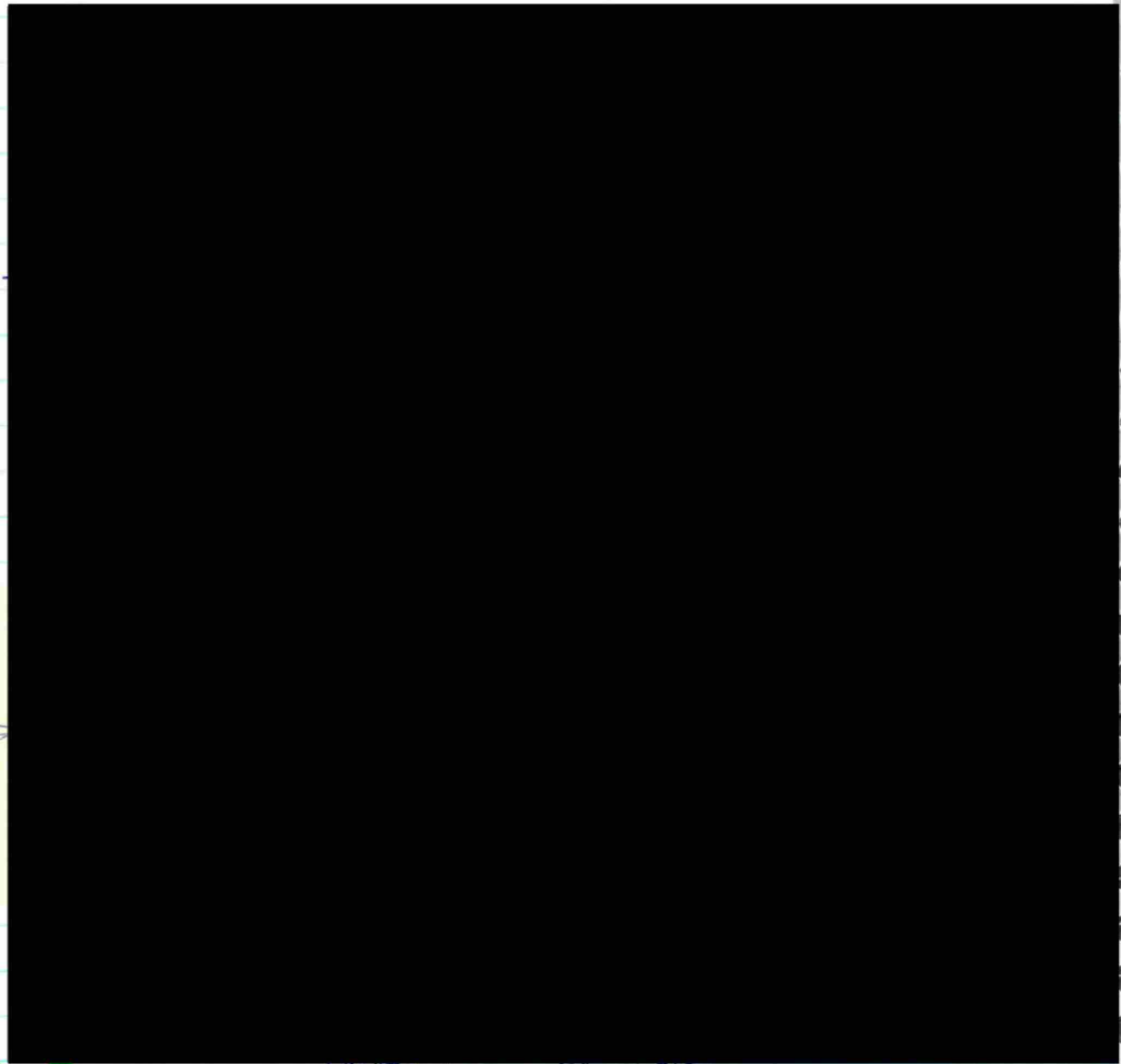


Tuesday May 15/07





2) Gary Moore  
cell (405) 379-7903



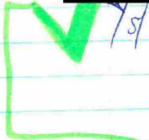
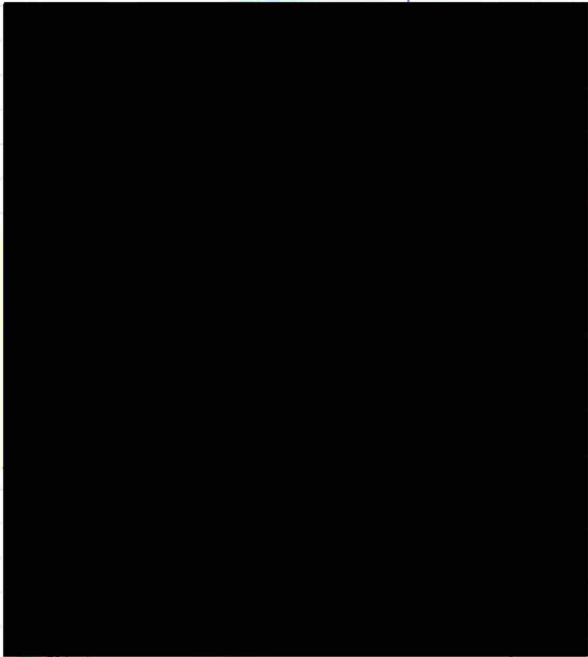
✓ - Hamilton <sup>hikes</sup> <sub>parking</sub>







Friday, May 25/07

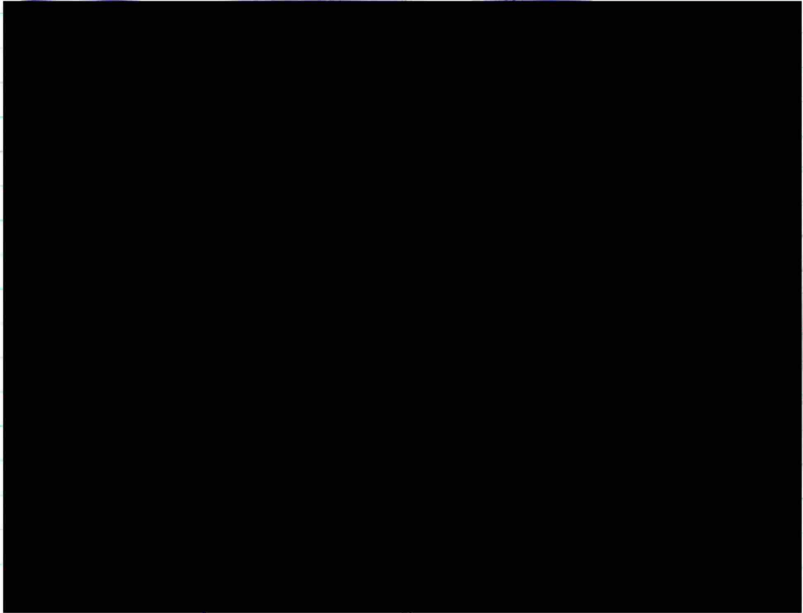


7/8 Audio  
RBM - plant sample  
2.3% seeds " (2.2 & 2.4)  
1.0% paper



Monday May 28/07

1/ RHVP parking  
4 samples for extraction  
SP 25 1 - plant mix  
SP 19 RBM 3 - 2 ket skip  
1 pl



## RB M&T trip

- mix design - accepted
- field densities - <sup>bars - edge</sup> <sub>- problem to be improved</sub>
- use mix design M&T
- air voids - acceptable
- binderline
- ac content - binderline

- SP 25 - volumetrics are OK

Marco

Letter to DCC.

✓ Tomorrow

[REDACTED]

✓

- KHVP notices

[REDACTED]

✓ Tuesday, May 29/07

✓ [REDACTED]

- SP 25 & SP 19 mixer

for KBM - today connection photos

[REDACTED]

[REDACTED]

Hilroy

✓✓ May 29 / 2007  
to  
December 14 / 2007

SUBJECT **5** SUJETS

NOTEBOOK • CAHIER

360 Pages 26.7x20.3cm



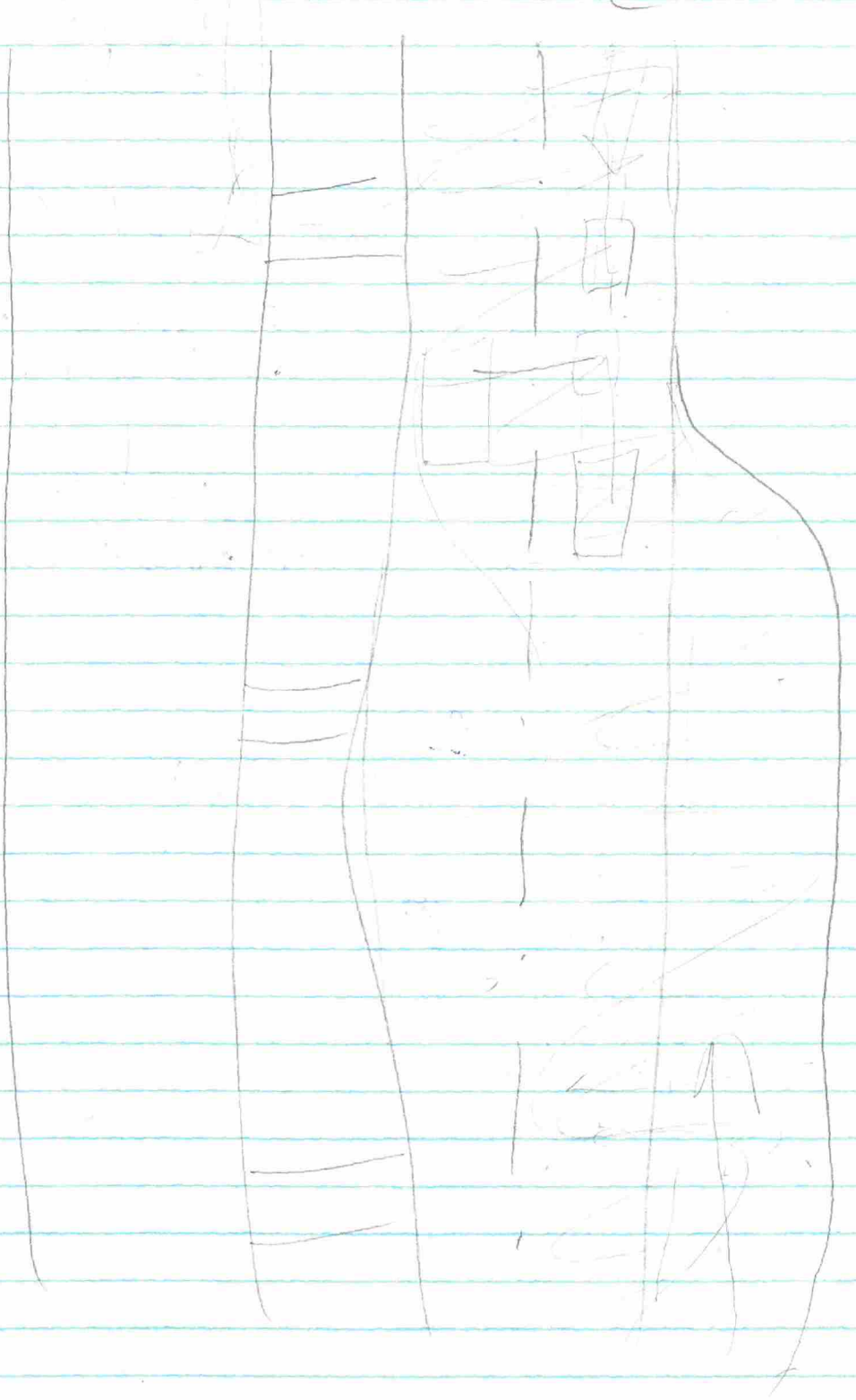
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✓ Friday, ~~10/10~~

✓ RHVP

\$21



harvey May 29

May 29	4 plant samples	+ 3 cores
30	5 plant samples	6 cores
31	4 plant samples	2
1	3	3

---

16 plant samples 14 cores

Done plant samples 3 gr./ac <sup>air weeds</sup> ~~and food~~ | 14 cores  
1 ac of air weeds

May 28 Correlation 5 gr./ac air weeds  
test strip 4 (gr./ac air weeds) 3 cores

Done 19 17  
25 ✓

subset of ~~10~~ 13 plant samples

Reporting

Verification  
RBM, SP25, SP19

Monday June 4/07



- 5) site inspection on RMVP project
- stopped did not allow paving against the bridge at  $28+500$  - granular base was moving - talked ~~to~~ to Walter, Peter, Joe, James and Dave
  - asked Joe DCC to apply proper hole to the joint - it was too light
  - Andree to inspect the site ready for paving before DCC starts.

Urethane powder

Judy Betty

Chris phone # 235 3735

Chris Rogers cell \* Tuesday

235 4677 Chris Reynolds  
(416) 235-3533

3715

July 31/07

John

John Blair (416) 235 3546

LM 1) Windsor Hwy Walsh - SMA -

IB ✓ 2) Cornice Bello - reproduce  
April Viviani

LM 3) Phil Beddel -

LM IB (4) Julie Saleros -

LM 5) Laurel Hache & Alcide Richard -

LM 6) Scott Roberts -

✓ 7) CTAA paper -

IB 8) Rick Orville -

✓ 9) I am covered for work

LM + IB 10) RMVP - Andros

- SMA - ~ 7:00 am

- letter

- how to lay

polyester - is it acid  
resistant polymer.

SMA - inter. decision to use only  
selected products - has Chris

Trap Road - 7 services - 3 or 4 can be used

Accon, MPT, Polypropylene, Dioxan, etc. should have  
in the contact they should have

old, they probably can carry over jobs

Dave Corbin - QA officer | Acid modification





5/



Thursday, Sept. 13/07



5) Marco - SN  
spec for RBM



10-3697A

# Account Book Livre de comptabilité

Made in Canada / Fabriqué au Canada

- Recycled white paper
- Perfect binding
- Green and brown ruling
- Papier blanc recyclé
- Reliure sans couture
- Ligné vert et brun

 **Blueline**

Fax/Téloc: 1-800-323-7075  
www.bluelineinc.com

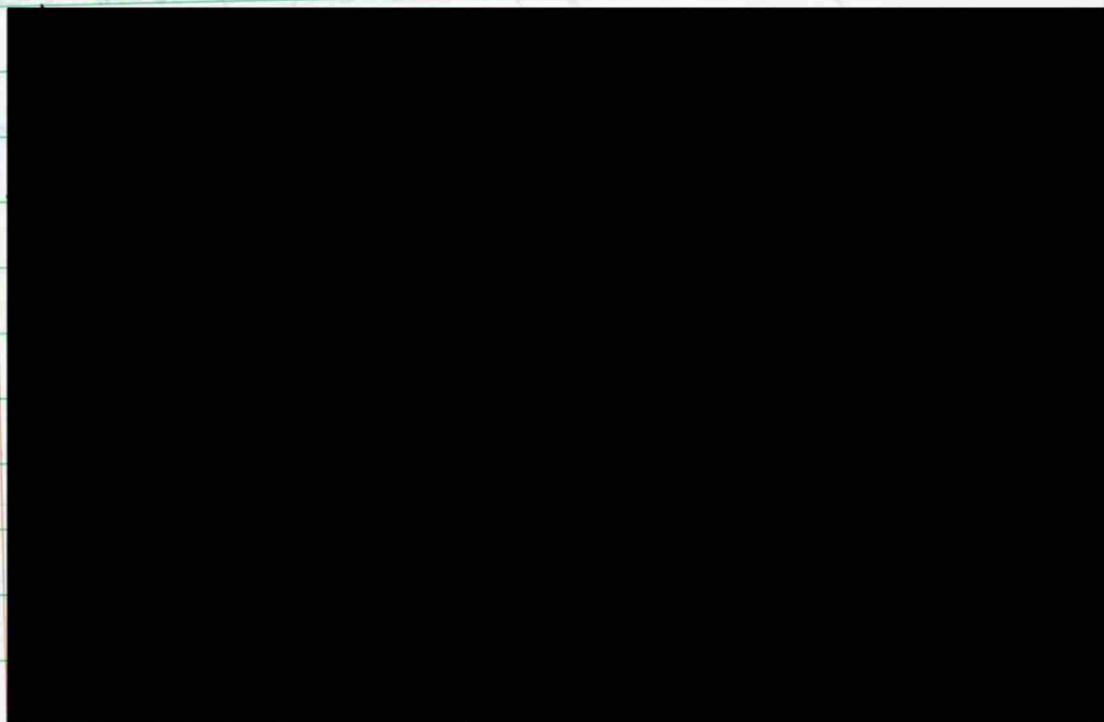
✓ Jan 2/2008  
to  
April 07/2009

 **Blueline**

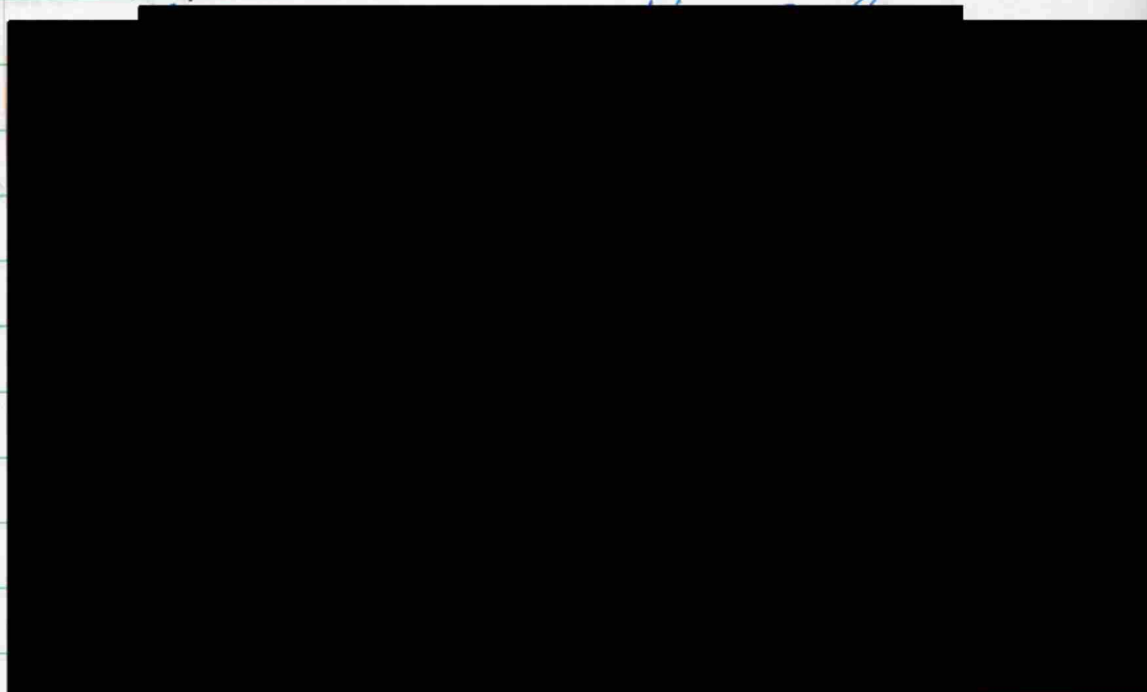
**A7963.01**

Record  
Registre

✓ Tuesday, Feb 12/08



✓ - Peter Gairable



✓ Friday, Feb 29/88



111 6) Gary Moore - outline

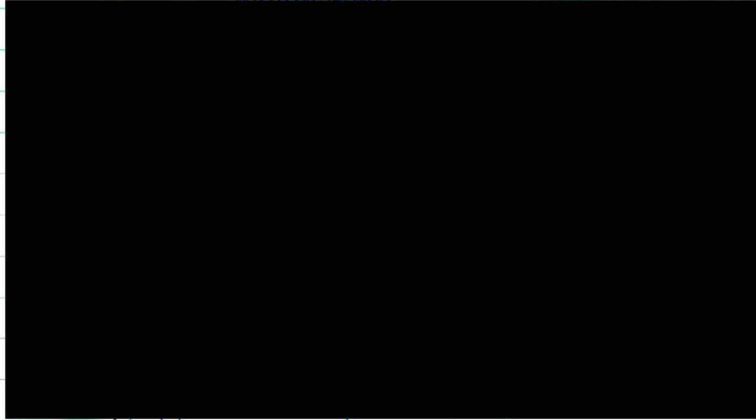
111 7) RMVP

- IRD invoice

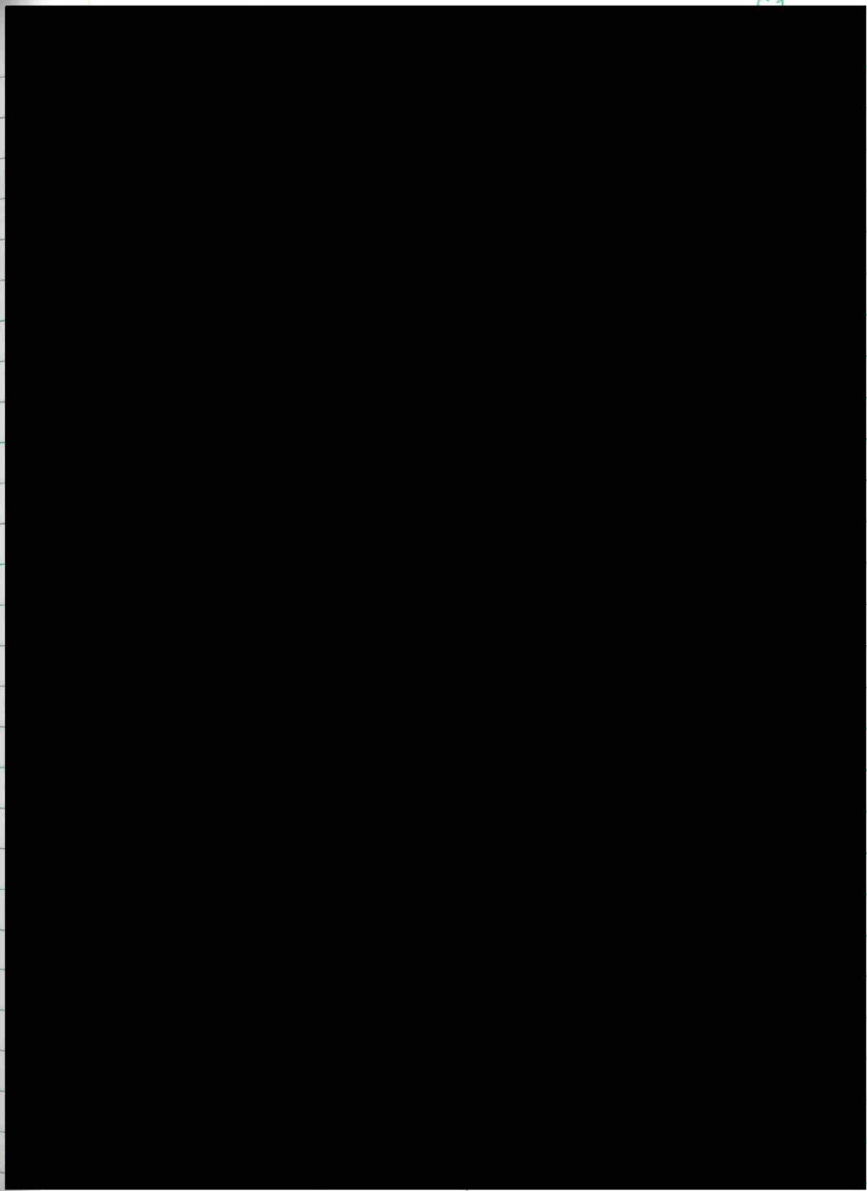
- outside modem

- specifications, manuals, software

- presentation



127 Peter Gamble - Dufferin

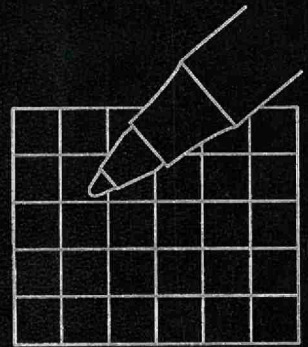


✓ Thursday, June 19/08



- 3) Hamilton - meeting with Gary Moore
- a) RHVP instrumentation
    - connecting temp. trees to other sensors
    - CTL calibration
    - analysis →
    - synchronization
  - b) par. technology review.
    - Gary on vacation first 2 weeks of August
    - 4.6 bin differs
    - 25 yr basis / 100 mb/yr
    - like yr 25
    - 60% below 50
    - overall 40-50

✓ Aug 10/11  
to  
April 16/12



LCAP

Friday, April 13/12

1) Hamilton - meeting with Gary Moore

a) report of Phase II

- scope
- results vs performance
- special provisions
- RAP
- training on Monday
- how to address
  - ac content
  - air voids
  - gradations
  - compaction
- WMA
- EOR
- MTO investigation
- how to enforce the specifications?

b) PSV - additional work  
WMA - additional work  
site visits 2007/2008/2009

c) LINC

d) training

- presentation of Phase I & II findings
- analysis of results
- Special Provisions to OPSS - guide
- mix types vs road categories & traffic
- PEACI grades
- ~~see~~ mix designs incl. WMA
- construction
- handouts - should we do highlights in OPSS?
- discussion - effective QA
- practical exercises - acceptance

3/1900 left  
in existing  
PO

e) pavement design III  
- getting required information  
- upgrading the design matrix  
- investigation

f) pavement rehabilitation III  
- methods  
- how to design  
- input from Asset Management - network  
- investigation  
- reflective cracking - cracks | repairs | GPM | thick overlay

g) pavement preservation III  
- methods  
- how to consider  
- linking with PMS  
- Remaining Life analysis - network

h) pavement rehab design as part of asset management III  
- other assets - water mains, storm sewers, ...

i) linking PMS to e, f, g III

ii) RHVP - monitoring station - analysis  
- more  
- analysis: 3 years - traffic, pm, response  
- maintenance - ? linking to PMS?  
- & rehab

iii) TAC paper on technology review or CSA  
- OUMPA Fall Seminar, Partners in Quality

m) recycling techniques  
- RAP, RAS?  
- recycled concrete

p) lab testing services - near location  
r) projects?

n) mechanistic properties testing III  
oi INVOICES

Ludomir  
Uzarowski  
2012

✓  
✓ April 19/12  
to  
Dec 7 /12



Date

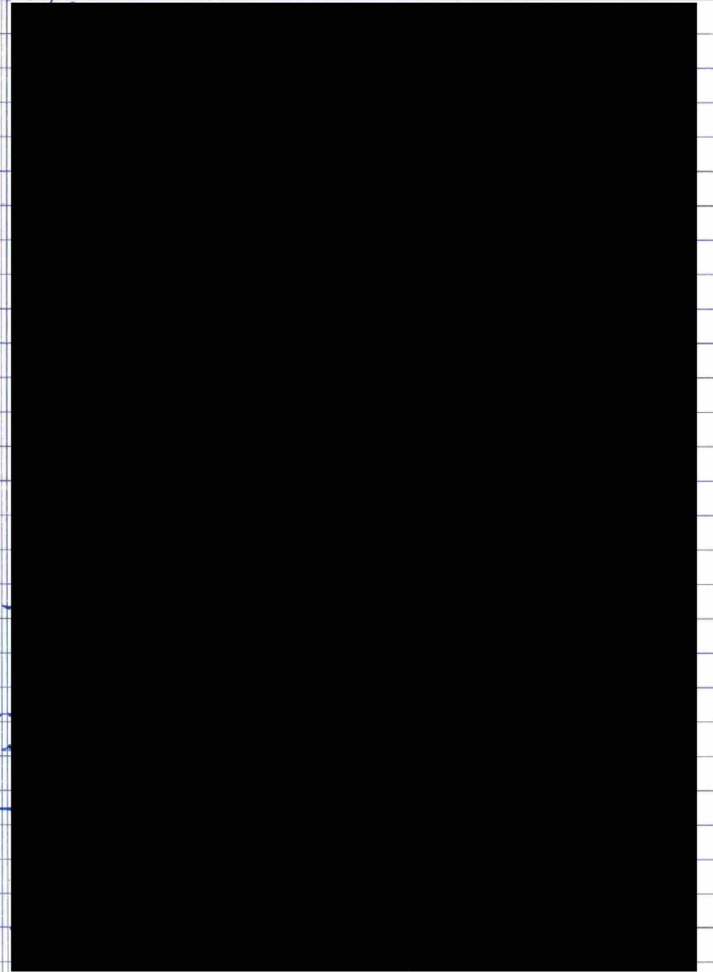


✓ Wednesday, July 25/12



Page

Date

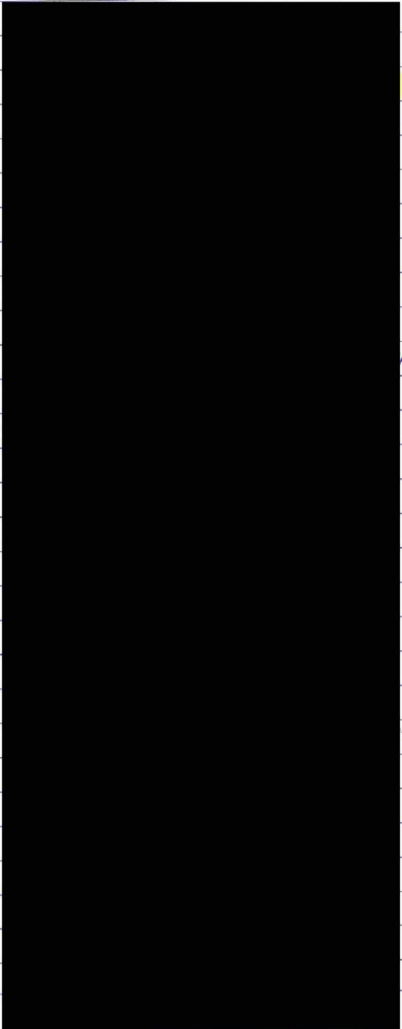


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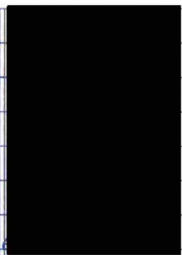
Date

VH

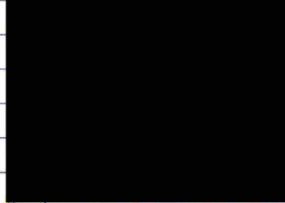
- ✓ 1. Hamilton report
- ✓ 2. Hamilton Phase 11)



Date



✓ Thursday, July 26/12



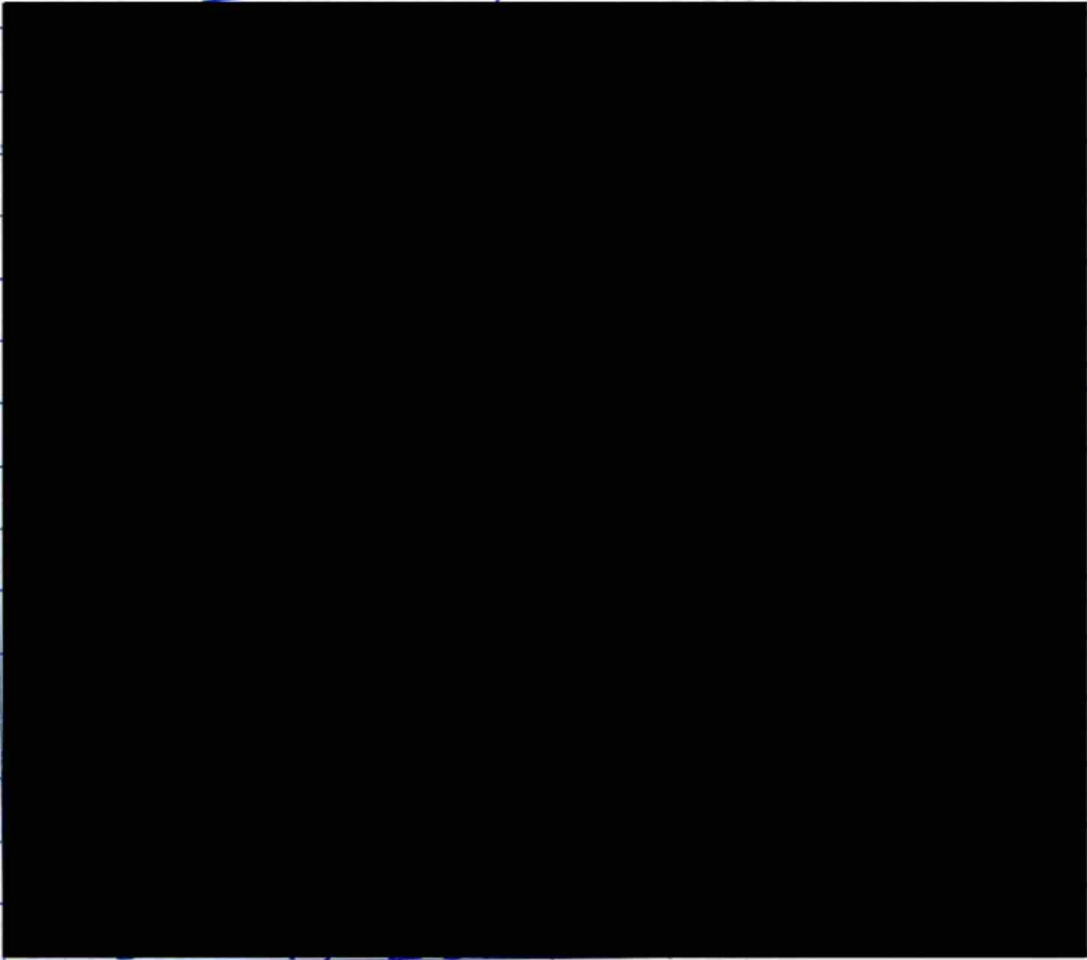
✓ of Gary Moore



Page

Date

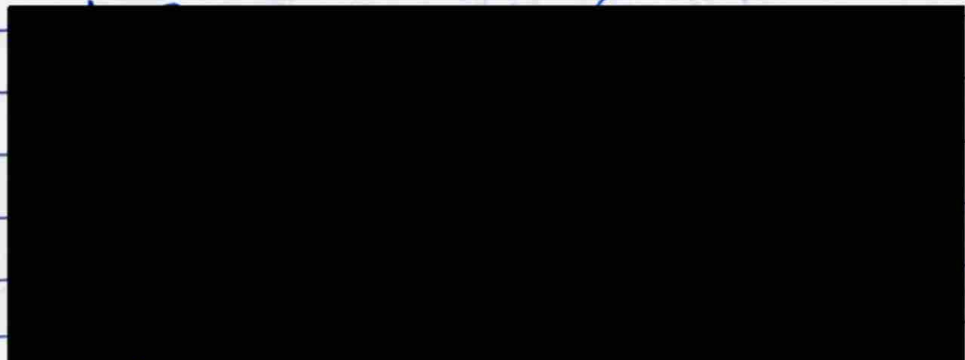
Monday, ~~18~~ Nov 19/12



Tuesday, Nov 20/12



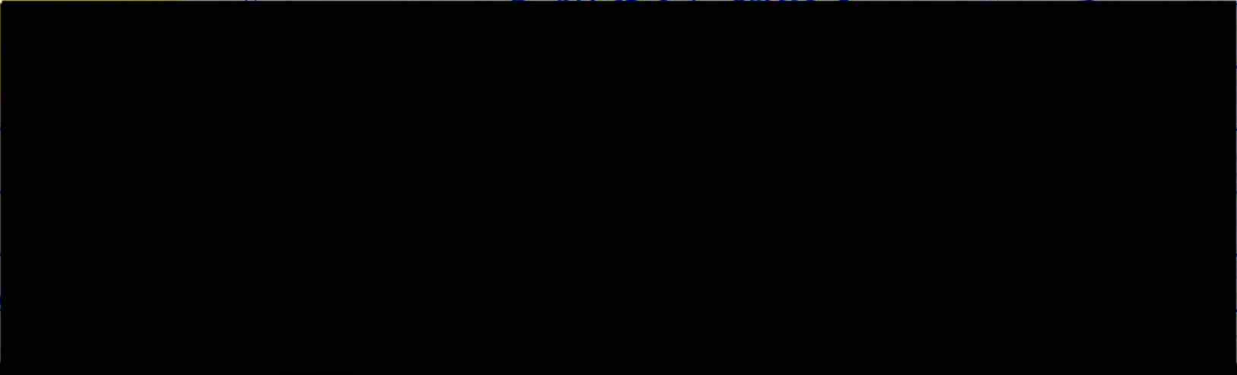
Wednesday, Nov 21/12

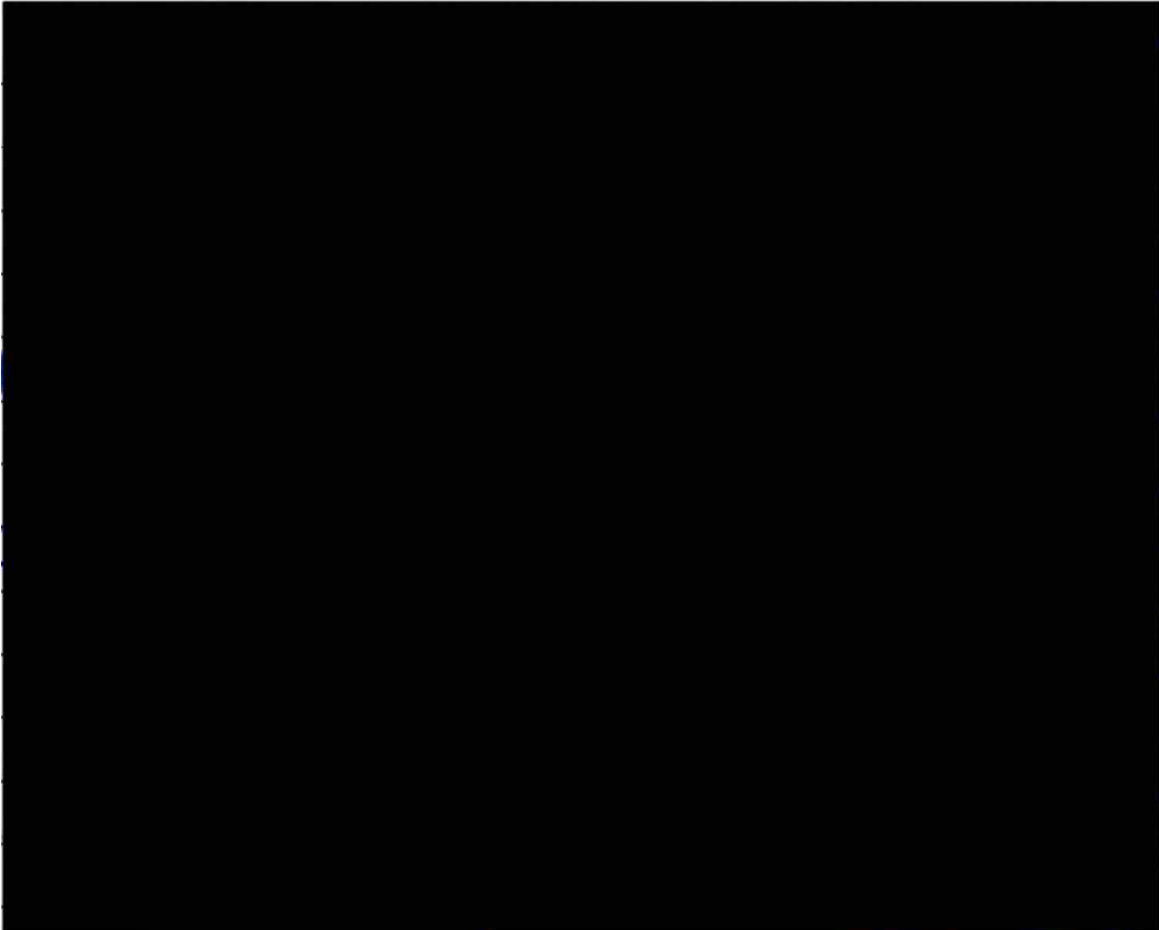


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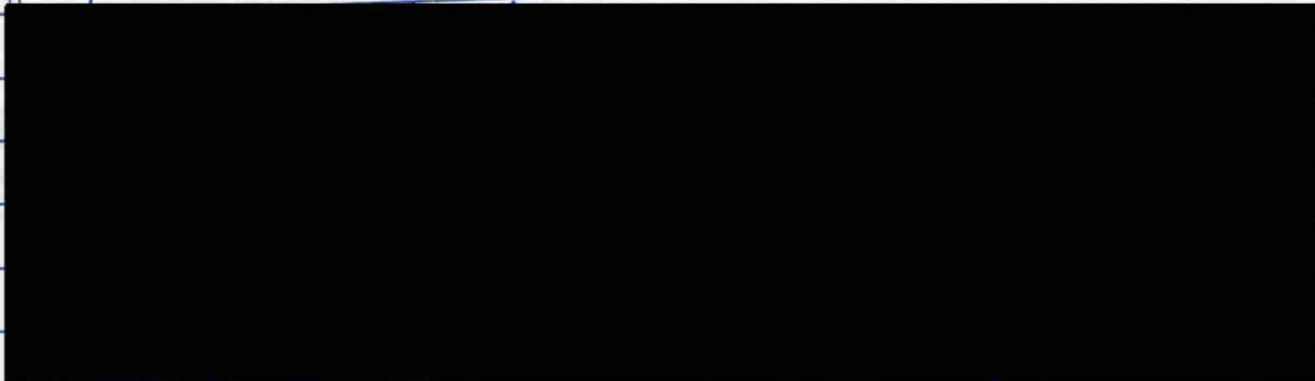


- A) Hamilton
  - RHVP monitoring studies - start
  - 5 years later

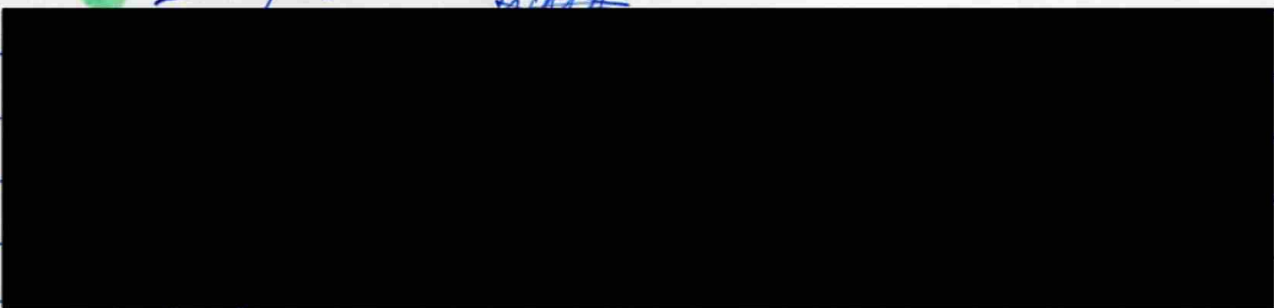




Thursday, Nov 22/12



✓✓ Gary Moore  
✓✓ Daryl Finlayson - BC DOT -



✓  
✓ Jan 7 / 2013  
to  
July 2 / 2013

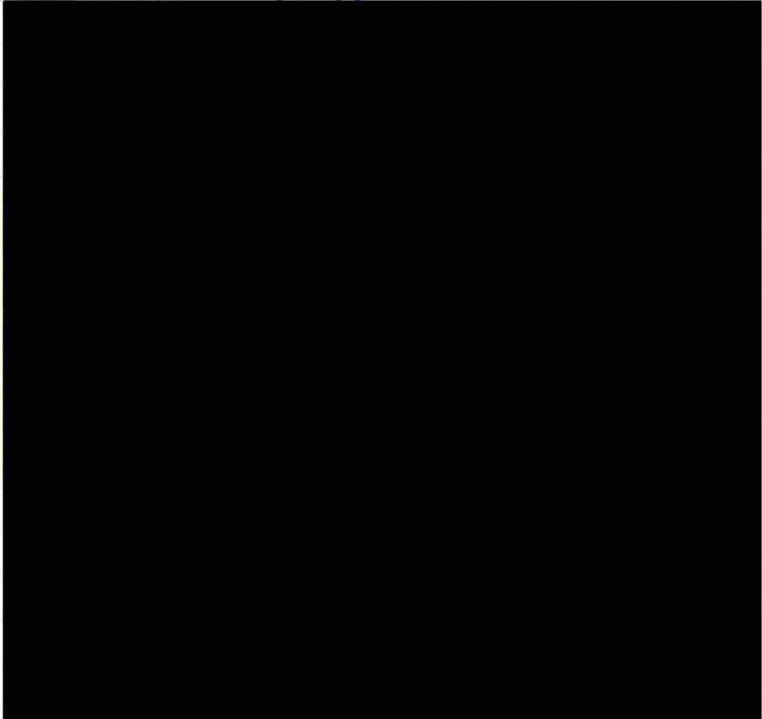
 Jafferjees

Wederzeln, Klav 8/13

of Hamilton - call Marco - 5 years after



Date



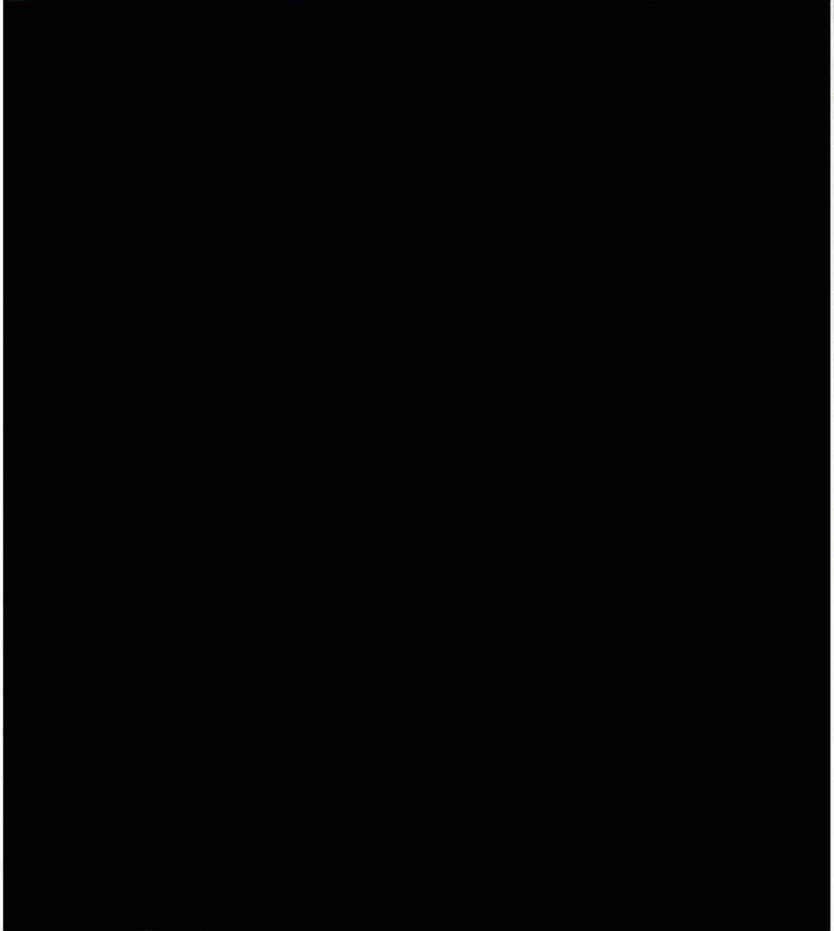
✓ Tuesday, May 21/13



Date



✓ (3) Hamilton - Marco

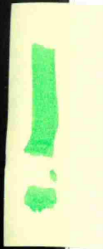


✓ July 04 / 2013  
to  
July 03 / 2014

FIRST CLASS®



Monday, July 29/13



6) Hamilton  
 - Instr - PMTR 2M + VH+RR  
 VH - 5 years - Marco LM + VM

52) HIR - Equave VH+TK+ 2U

✓ Monday, Nov 11/13

✓ 1) Hamilton

[Redacted]

[Redacted]

✓ ✓ Wednesday, Nov 13/13

[Redacted]

✓ 3) Hamilton

[Redacted]

✓ 9) Gary Moore -  
- recycled engine oil  
- RAP

[Redacted]

Friday, Dec 20/13

(905) 726-9518

1) Hamilton

- call Trevor Moore - call Gary?
- call Lisa Castonovo -

4) TAC - call Gary Moore  
- call Gary MacDonalld

Shiny seal 2.5 + 0.5 fibre  
Mwgs 3.5 single  
+ fibres + 0.5 for fibre  
double entire with fibre  
~5.5

✓ Thursday, March 27/14



✓ d) HIR via Hamilton



✓  
✓  
September 9/2015  
to  
January 31/2017

FIRST CLASS

Tuesday, June 5/15

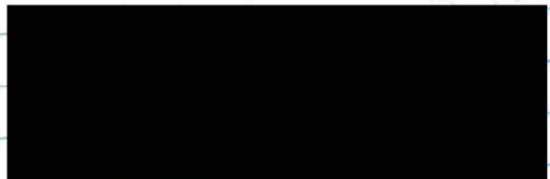
of Hamilton  
RHVP  
Koult's Kuper





0  
1  
2  
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4  
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6  
7  
8  
9

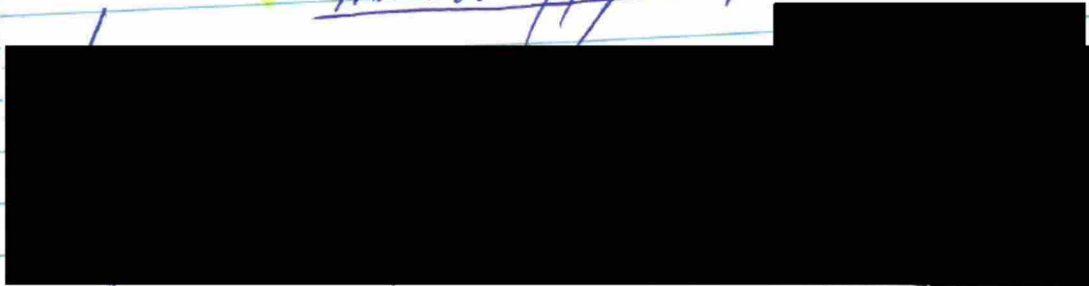
✓ Wednesday, Jan 4/17



✓ 4) Gary Moore by others



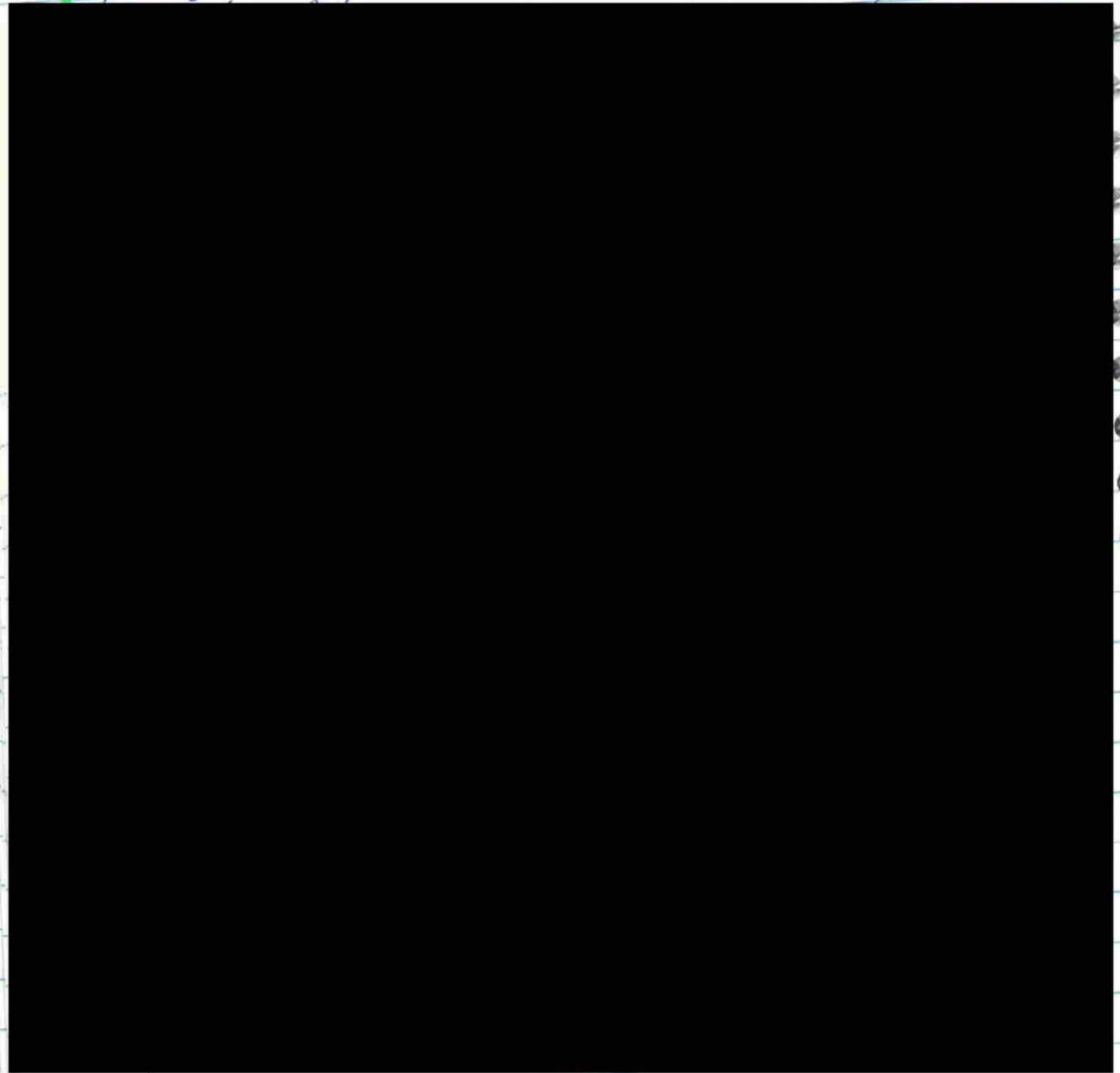
✓ Thursday, Jan 5/17





✓ ✓ Friday, May 12/17

✓ Meeting with Miller Parviz



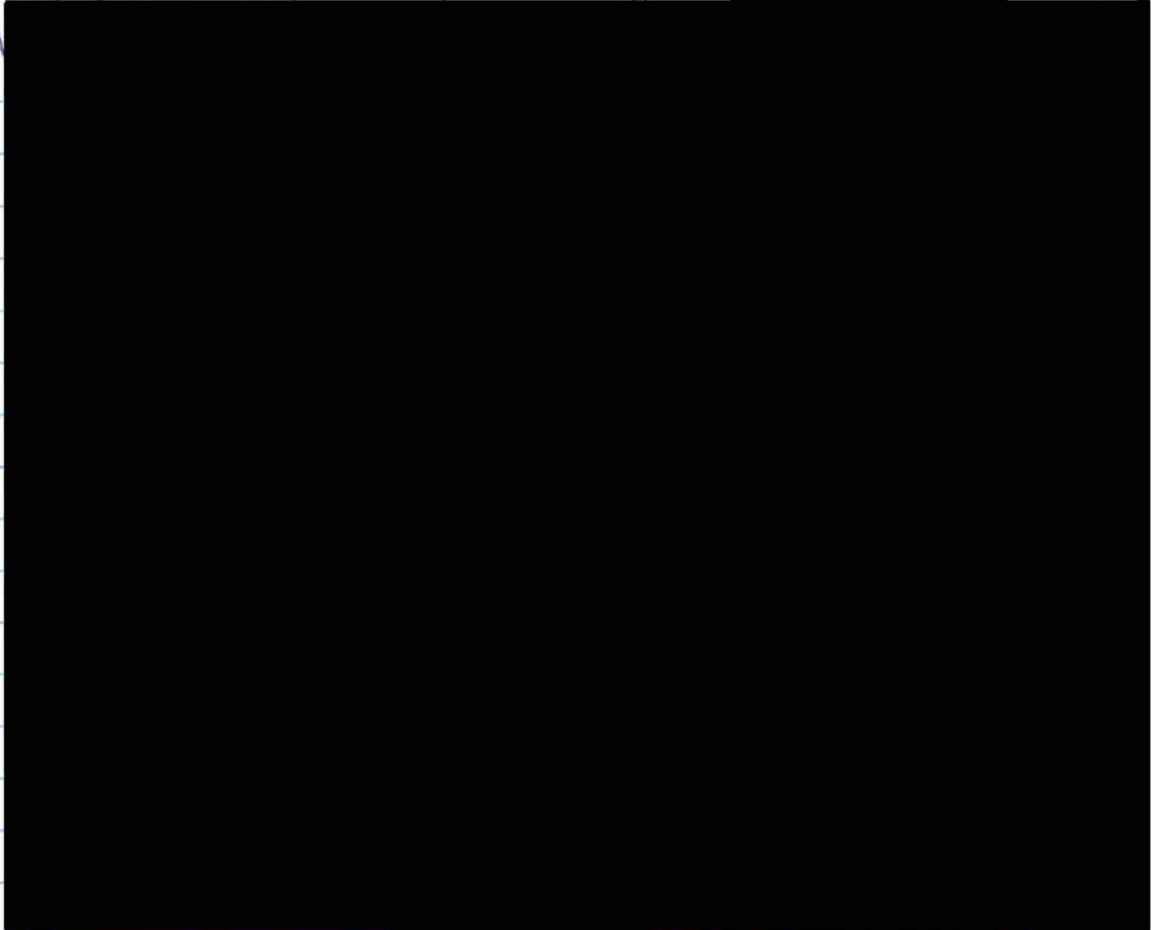


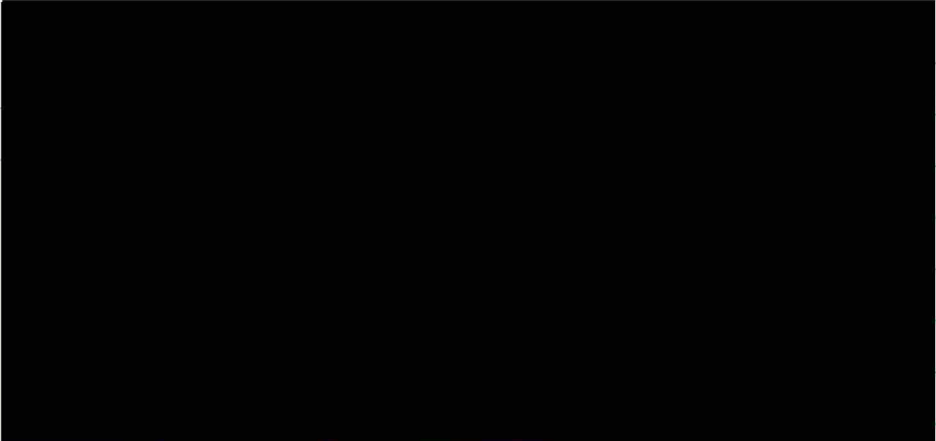
✓✓ Tuesday, July 4/17



✓ 2) Hamilton-Miller

✓ 2) Hamilton - spec 14





✓ Tuesday, July 25/7/17



✓ 1/3 Hamilton



[Redacted]

[Redacted]

[Yellow sticky notes with green markings]

✓ Other Subjects  
1) Miller - Hamilton

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

Municipal by Others  
Hamilton - teaching & soc

✓ Wednesday, Aug 9/17

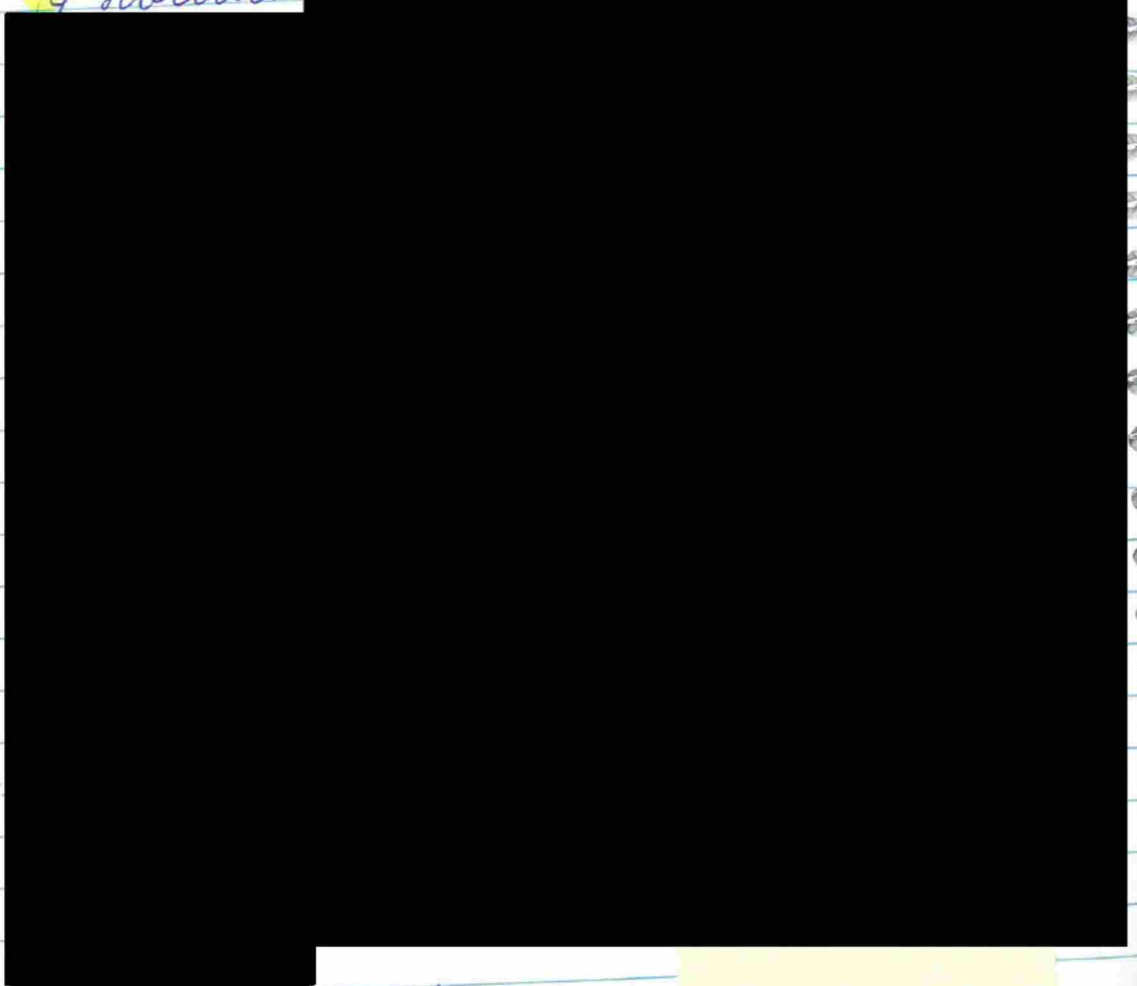
✓ 57, Hamilton



Wednesday, Aug 23/17



4 Hamilton



16) Miller - Hamilton





✓ Date  
Friday, Sep 29/17

✓ 3) presentation for Hamilton ✓ HJ ✓ M units

✓ Guy Moore

Municipal Liaison committee

SmtA polishing after 10-11 years, PSU of the original

! DH

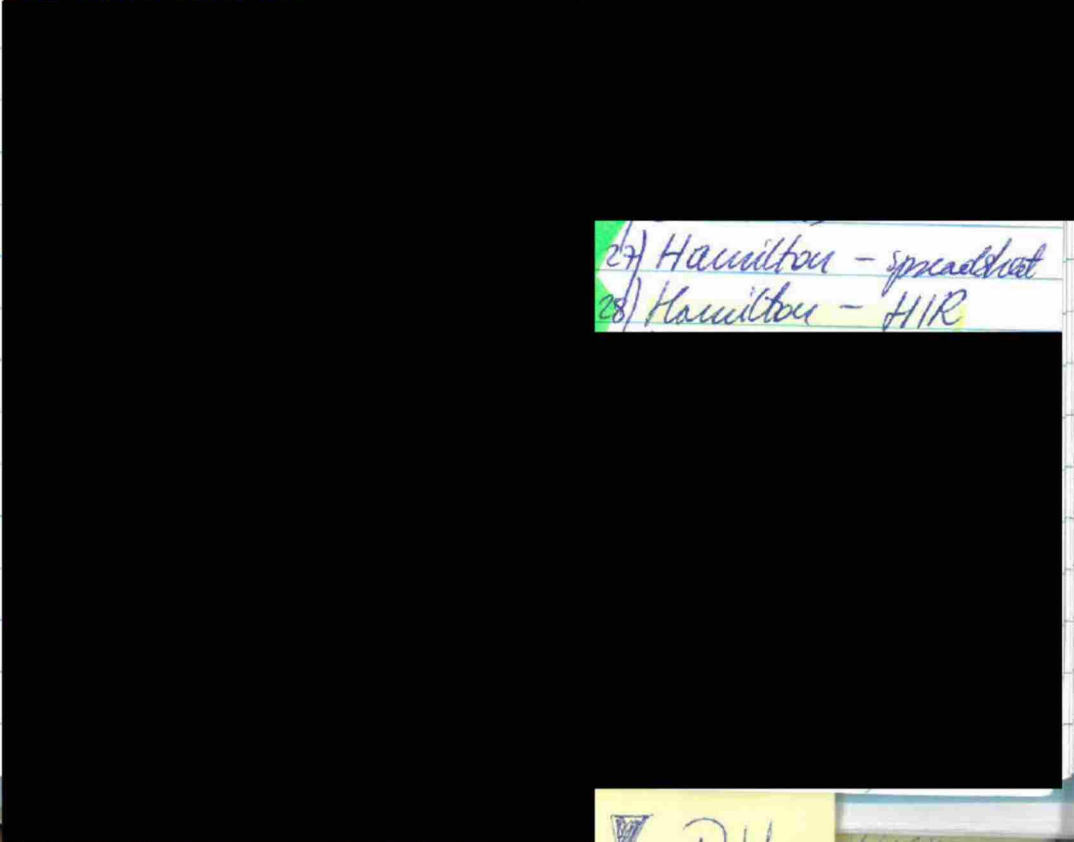
✓  
Chree



✓✓ Friday, Nov 10/17



✓ 6) Hamilton



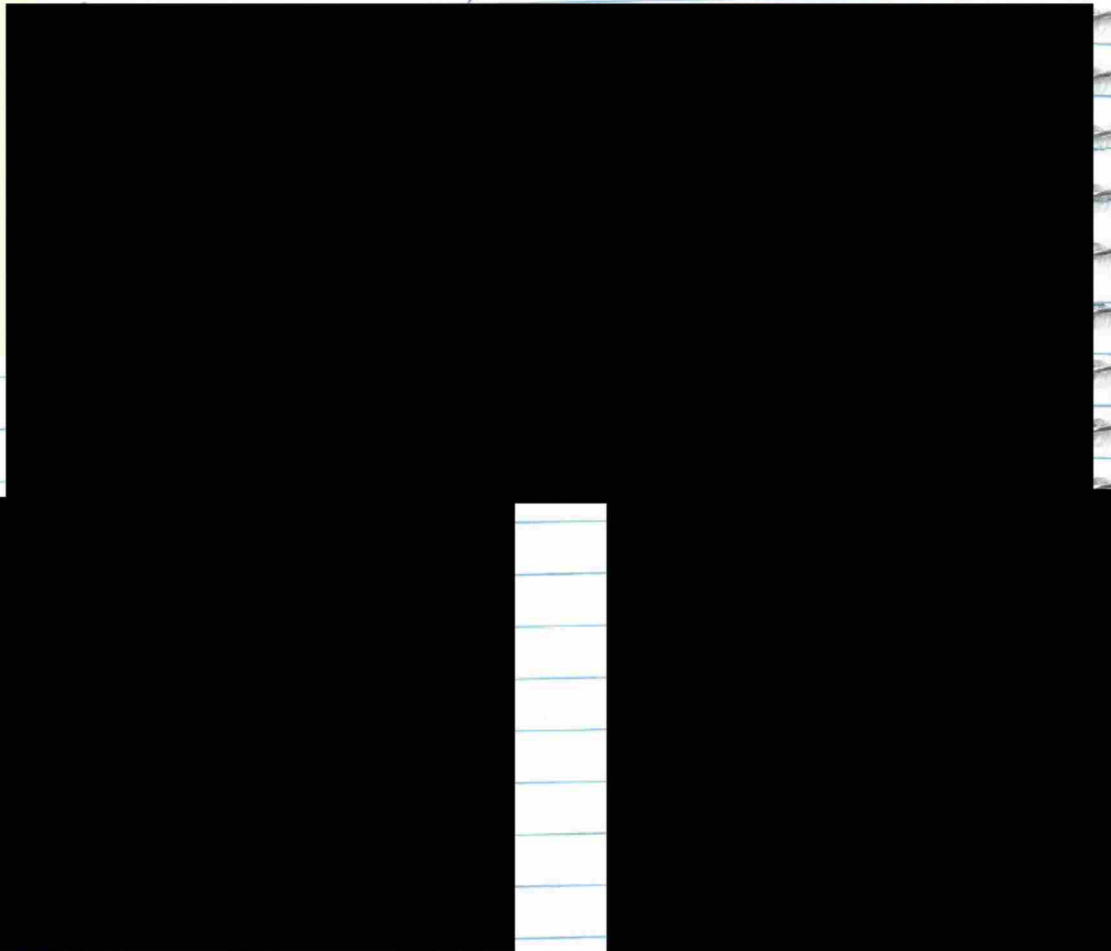
27) Hamilton - spreadsheet  
28) Hamilton - HIR



! DH

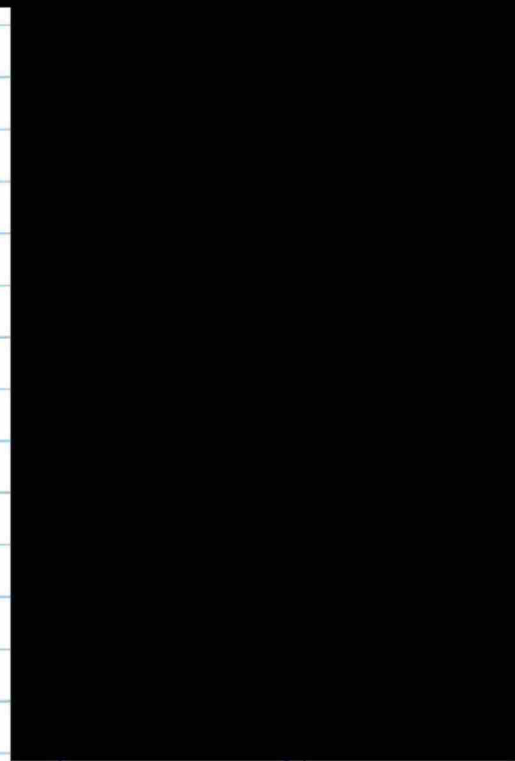
check



Thursday, Jan 4/18

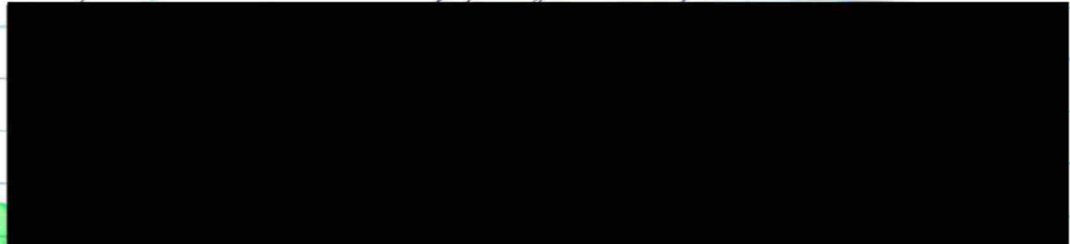


-  i) Gary Moore HIR
-  ii) Marco Odoli

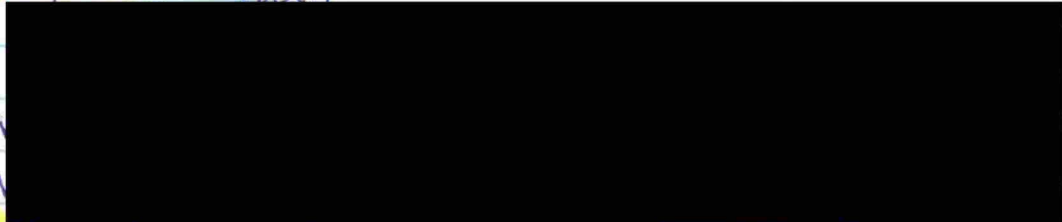




Tuesday, June 30/18



✓ 5/ Dave & Heir

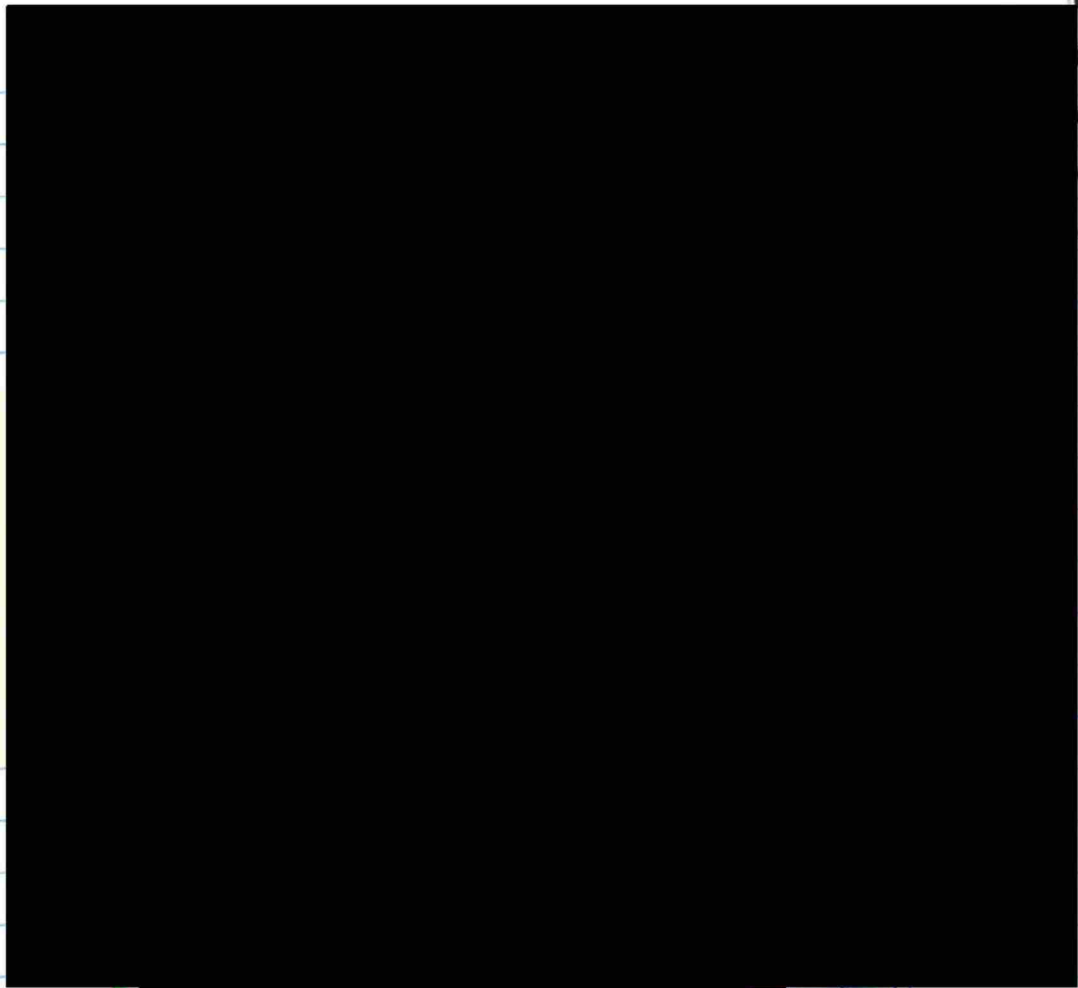


✓ 10/ Harri Gou



! DM

Kevin  
Chce



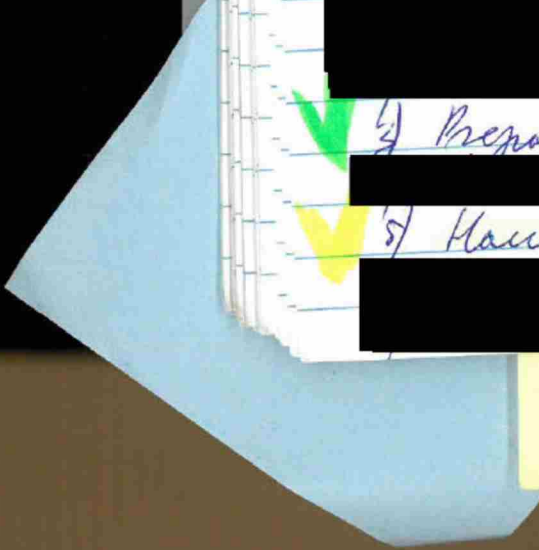
Thursday, March 8/18



Preparing for Hamilton!



Hamilton - preparation for the meeting



Friday, March 9/18

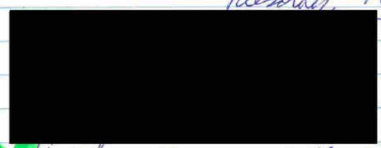
City of Hamilton

HIR of SMA

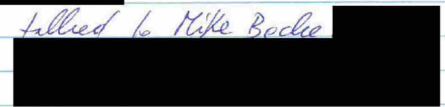
- concerns
- laboratory investigation required
- test section before HIR!
- Apply microencapsulation Type III to address surface inconsistencies
  - is the City comfortable with micros
  - we have number of contractors who can do it
- what to do with test results (PSL...)
- HIR recycled SMA will no longer be SMA, check the characteristics of the mix to make sure it is strong enough to support the traffic without deformation and cracking
- microencapsulation ~ 7 years
- HIR ~ 6-10 years
- micros can crack but will not spall because of polymer
- lift thickness - is Down or Down?
- Exposure got the project in the Bay

shidabranding for uos - no - public

Tuesday, March 13/18



of Hamilton - talked to Mike Boche

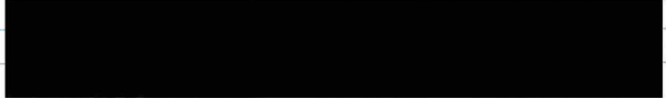


Wednesday, March 14/18



of Hamilton - ECODE - their own mix

Golden - feasibility study (like GREA - probability study)



Kevin  
Dree

March 28/2018

to

April 23/2019

✓ Monday, Dec 10/18

✓ 1) Hamilton friction

- history
- client relationship
- what to say
- should I send the report

no spec in debris for PSV  
no negative publr with appr  
any safety audit? City should do.  
Tyrone - some concerns but  
not drastic

✓ slid resistance - a contributing  
factor

Send Michael job #.

✓ 2) Hamilton HIR

---

✓ Wednesday, Dec 12/18

✓ 1) Michael Maher  
✓ - Hamilton

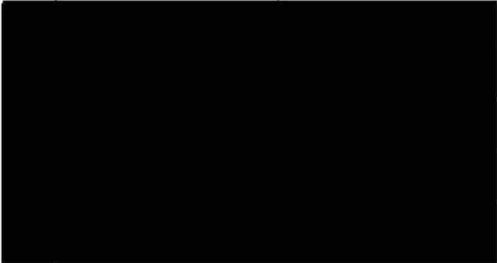
✓ 2) Hamilton HIR

✓ 3) Hamilton RHPV - Tony Licardi


✓ 4) Report for Good, Hamilton




✓ ✓ Wednesday, Jan 16/19

- ✓ 1) Put a code order  
scope of code > Hamilton RHVP  
meeting with Tony and Graeme
- 

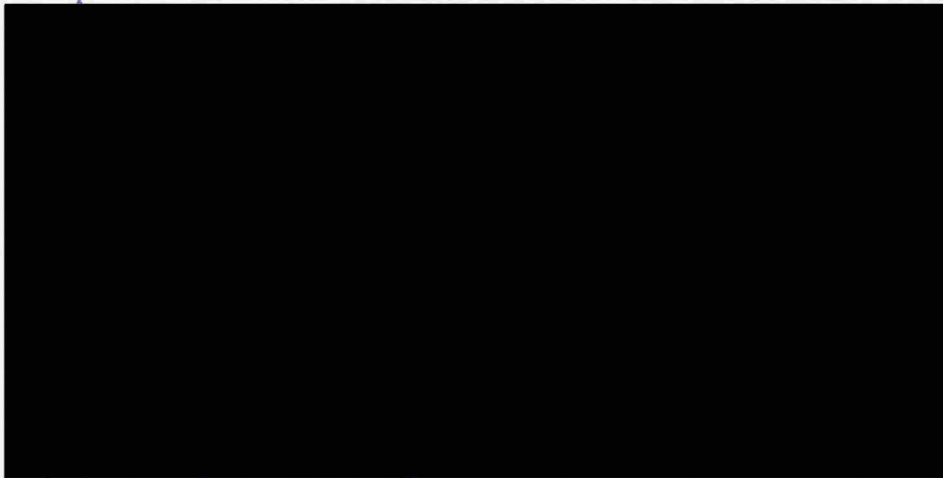
✓ Thursday, Jan 17/19



- ✓ 3) Called Mike Bedie about SMA HIR  
on the RHVP
- asked to continue testing - AC
  - complete the report even if HIR is not possible
  - ✓ Mike has passed my draft HIR SMA report to Gord
- 

10) Gerald McGuire - sent a text asking  
him to call me on my cell.

Tuesday, Feb 12/19



3) Hamilton - conference call with  
Domenic Pellegrini - auditors from  
the City of Hamilton.

- the conference call will go on
- cannot answer if with legal
- preparing questions before the  
meeting.
- no council because of weather.
- questions in 5-10 minutes.

Charles Brown

2207

Richard Brown

Domenic Pellegrini

- questions

- purpose of the audit
- in depth review, improvement opportunity
- Questions

- 1) Gupfeler
  - 2) ASTM E274
  - 3) Gary Moore
  - 4)
  - 5) Gupfeler & FN
  - 6) Speed 20k/h & 50k/h
  - 7)
  - 8) Other than Gary
- Timeliness

Numbers

Respond to Good or Charles?

Answers directly to Charles, not to Good, likely.

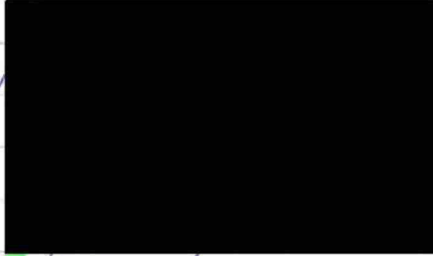
Timeline - week or two, more complex  
more. External experts. Potentially  
they can sue us.



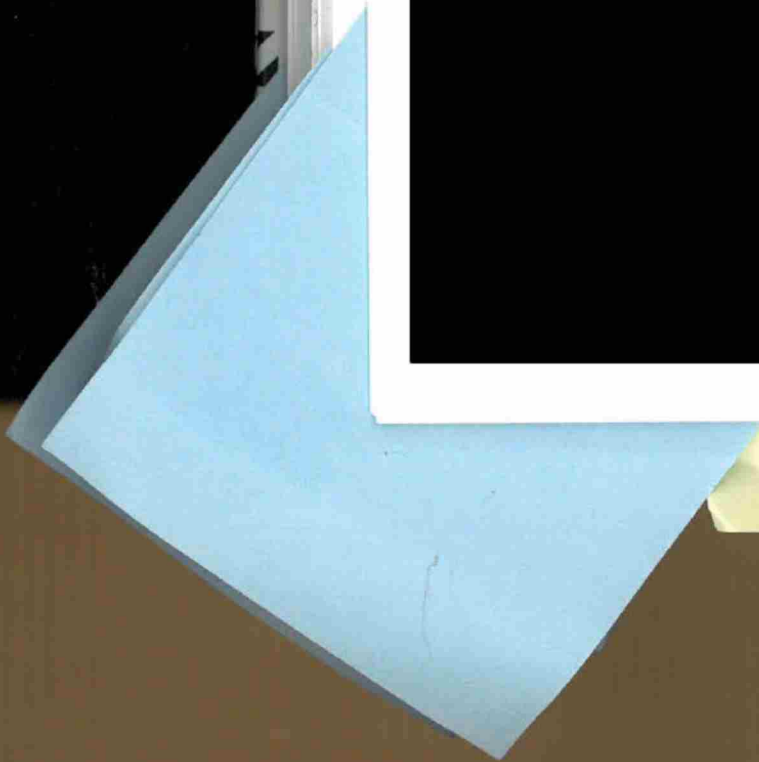
Monday, March 11/19



✓ 2) Hamilton MIR



✓ 3) Dave Hein



✓ Monday, April 1/19

✓ HIR Hamilton - Mike  
PSV in Hamilton mixes