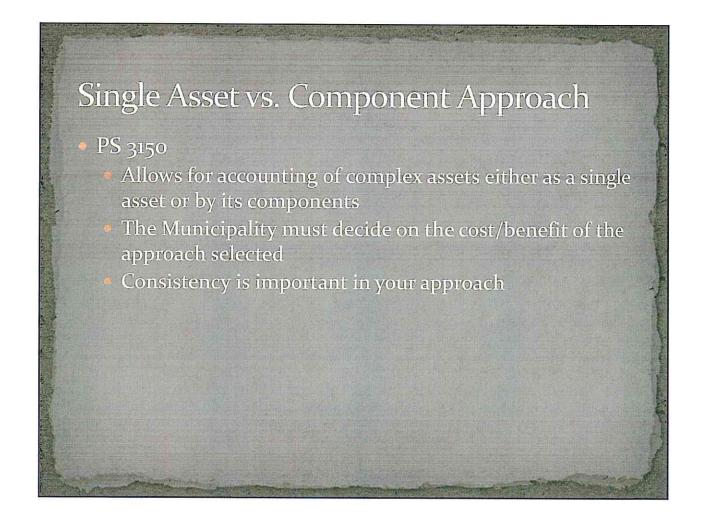
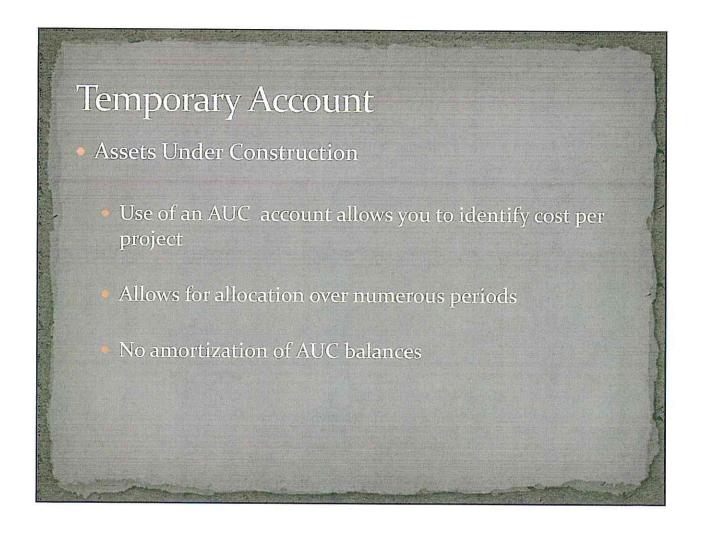


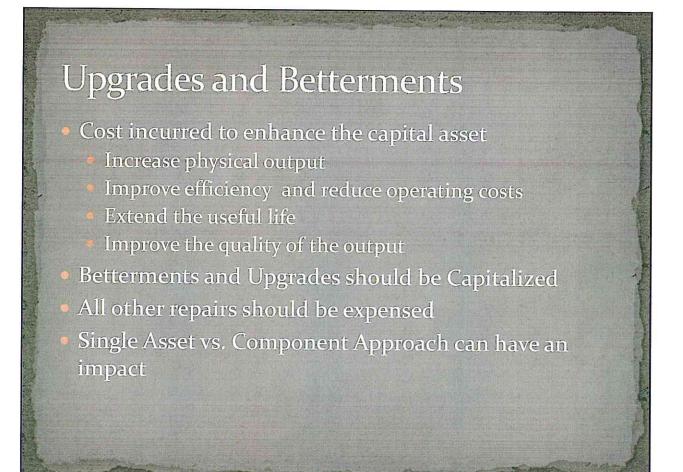
# Single Asset vs. Component Approach

- Component Approach
  - Complex Systems broken down into major components
  - Each component is identified and accounted for separately
  - Components can be comprised of assets of similair useful lives, e.g. pipes, values, base of road, surface of a road
  - More complex recording requiring greater resources and thus cost
  - Does provide more information than the Single Asset Approach





		EN CHERNING					
CAPITAL ASSETS / AM			3				
		20	15				
General AUC			1				
	Enter data in yellow shaded areas						
Asset	Calendar Year	Month		AS	sels Under Constructi	on  Date of	Closing
TOTALS >			107,266.55	139,067.64	211,425.08		34,909.11
Centennial Cultural Centre	2012	Dec	3,754.24				3,754.24
entennial Cultural Centre	2013	Dec	26.35				26.35
lacisaac Cres. Paving Project	2014		87,421.08	124,004.00	244.05.00	5 0445	
Source Great Farings roject	2019		67,921.05	124,004.00	211,425,08	Dec 31/15	0.00
-I-P Phase I Plan 33986	2013		16,064.88				16,064.88
7,000 (4,000)							

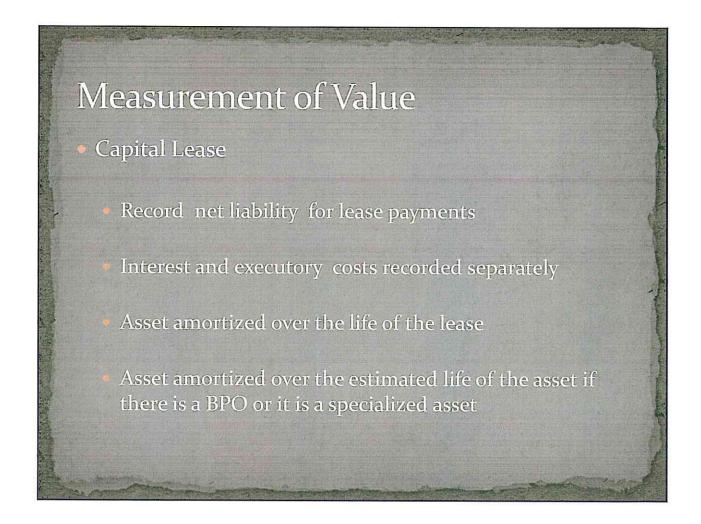


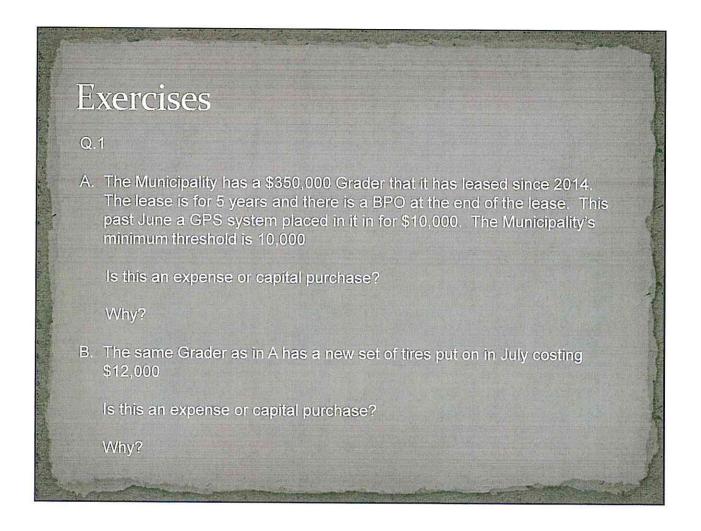
#### Contributed Assets

- TCA can be received by a municipality at no cost
  - Transfers from Senior Levels of Government
  - Developers provide roads, sidewalks and street lighting
- These assets are a TCA by definition
  - Future economic benefit
  - Results from a past transaction
  - Not fully consumed in the current period
  - Under the control of the Municipality
- Recording of Contributed Assets crucial to obtaining full costing of Services

### Contributed Assets

- Value for recording purposes
  - Fair Value on date of contribution.
- Fair Value
  - Consideration provided in an arm's length transaction
  - PS 3150 provides for the use of
    - Market value
    - Appraisal value
    - \* Replacement Cost
    - If no ability to determine Fair Value recorded at Nominal -Value
- For Bundled assets –remove value of land





#### Exercises

Q.2

A. The Town has repayed street that it built in 2001 at a cost \$1,000,000. The street has been recorded as a single asset and amortized over 35 years In 2016 the street was resurfaced with support from the Provincial Municipal Road Improvement Program at a total cost of \$350,000

Is this an expense or capital purchase?

Why?

B. Would it have made a difference in A. if the street had been recorded on a component basis

How and Why?

What is the difference in the value of the expense recognized in 2016 Component vs. Single Asset?

\* Expense De hoad Mainten - Contraits (350,000) C BANK 350,000 B) Yes - Extending life of the road surface, so this would be a captal cost lodigos jeterel o/w 250,000 = \$12.500 /year 12.500 x 15 years: 187.500 - 250,000 (62,500) loss on replant De Oscur. B. Arroh - Shut Sufon 187.500 De hors on Ryland of Surface 62.500 Canut - Sitrat Surface 250,000 Stud Surfore Co Bosh 350,000 350,000 Expense 350,000 - 62,500 = 287,500 quate ench



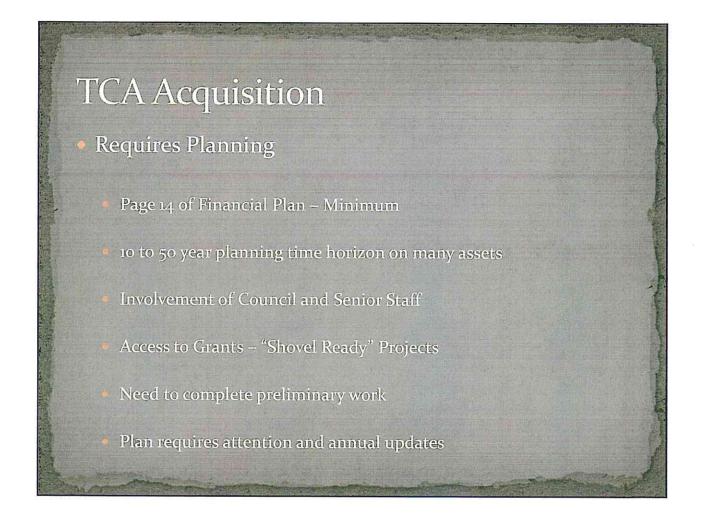


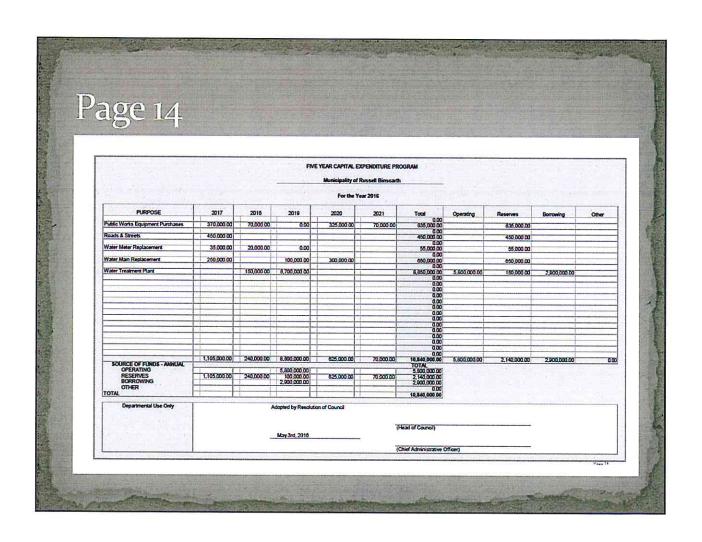
### TCA Acquisition

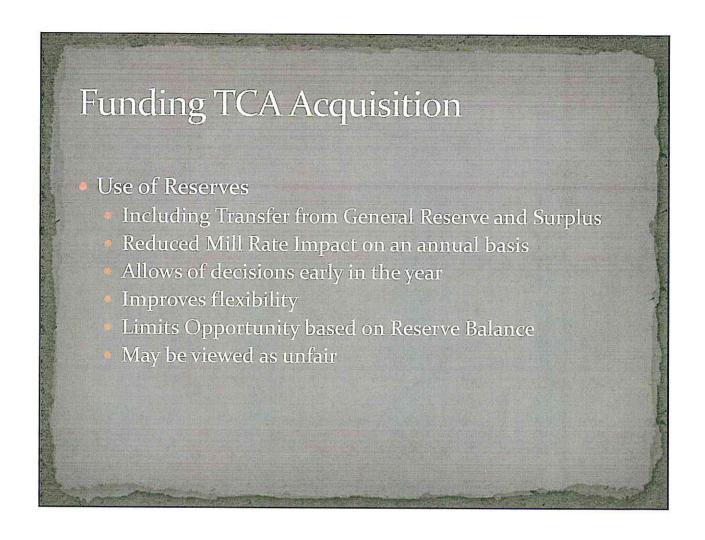
• Consider the costs for the entire life time of the asset in making your decision.

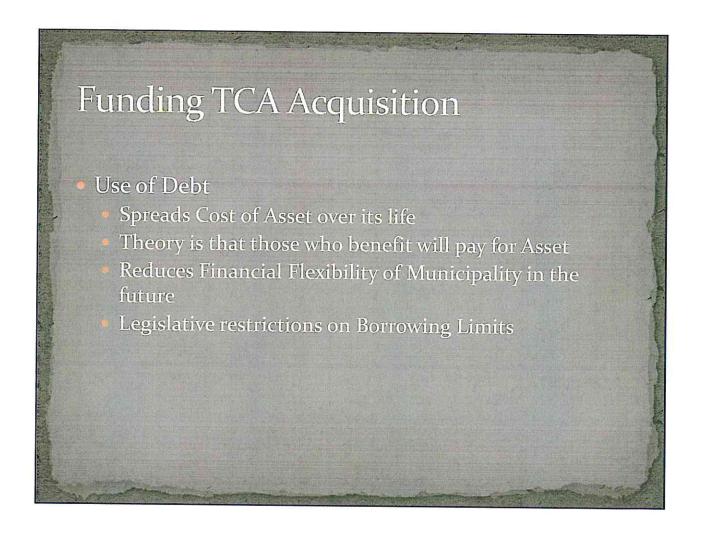
Typical areas of expenditure which are included in calculating the whole-life cost include:

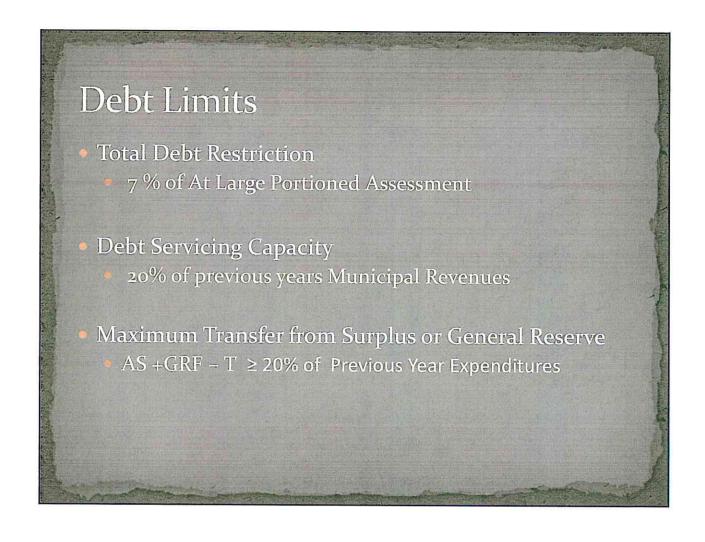
- planning and design
- construction and acquisition
- operations, maintenance
- renewal and rehabilitation
- depreciation and cost of finance
- replacement or disposal.

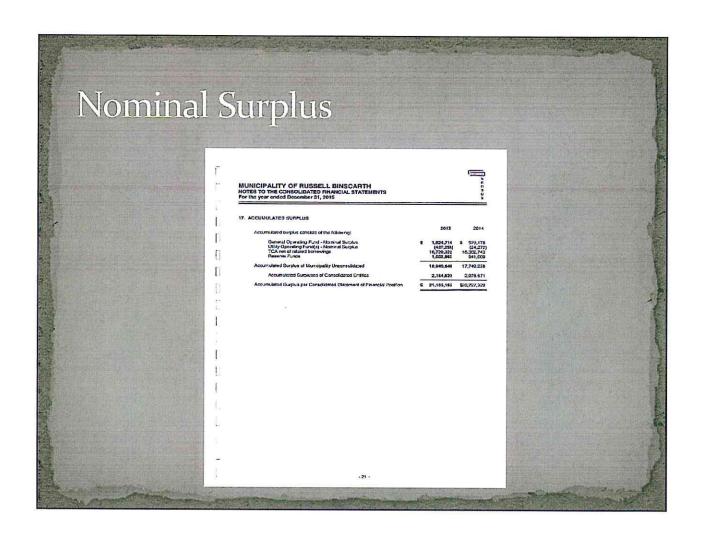












# Debt vs. Reserves

- Pros and Cons for both
- Current long term borrowing rates very attractive
- Borrow in times of low interest rates
- Use reserves in times of medium and high interest rates

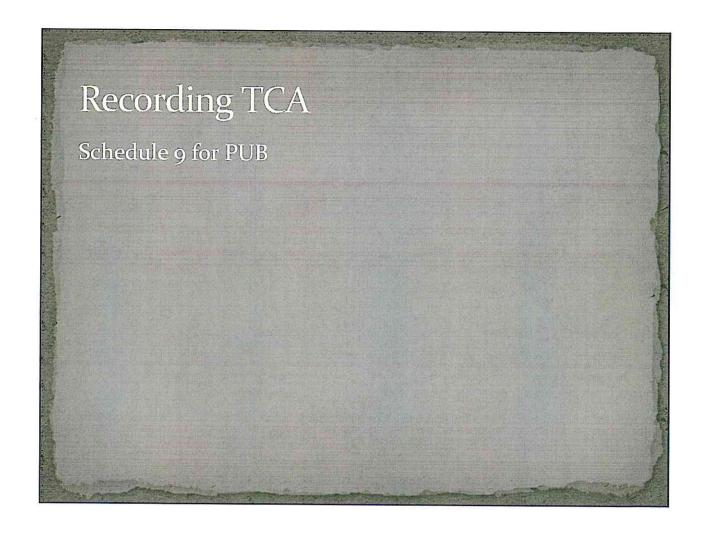
New a 10,000,000 Grants , Fund Roung 5,000,000 5,000,000 Mungalia 500,000 e 2% fr 10 years. \$5,475,000 cot up 5-10 % amuly. m loyears project i

# Recording TCA

- Once a purchase has been deemed to be a TCA it needs to be recorded
- Depending on Approach TCA recognition will change
  - Accrual Basis (Asset)
  - Cash Basis (Expense)
- The creation of Internal F/S must address the difference between how Municipality's budget(Cash Basis) and how Financial Statements are to be created for the public & Council (Accrual Basis)

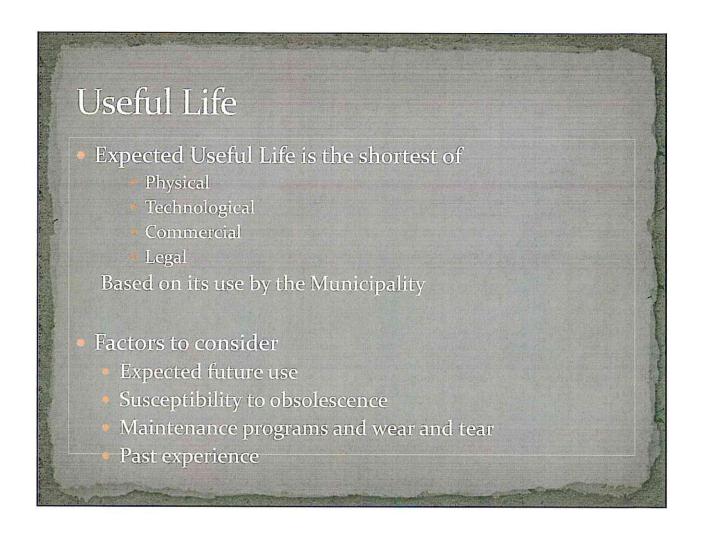
## Recording TCA

- Dr Asset AccountCr Bank
- Thus TCA is recorded as an asset in the current year not an expense – Contribution to Capital
- Grants provided for the TCA are recorded as Revenue
- PUB requires a different standard with regard to Capital Grants
  - Grants to be amortized over the life of the asset it supported

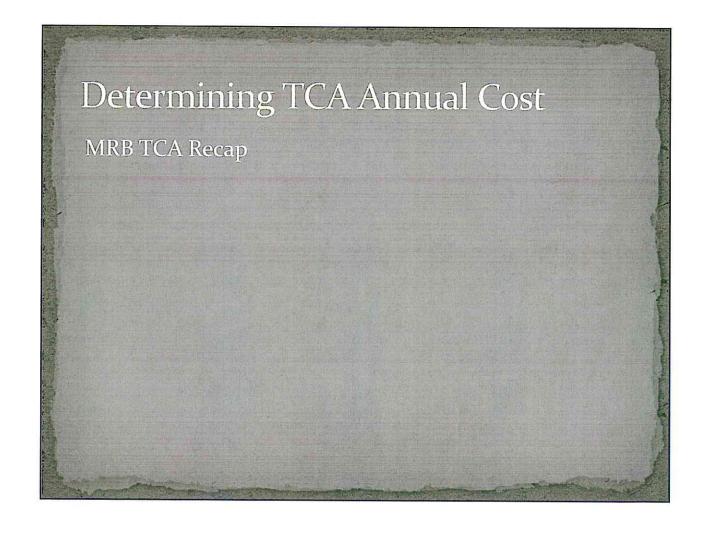


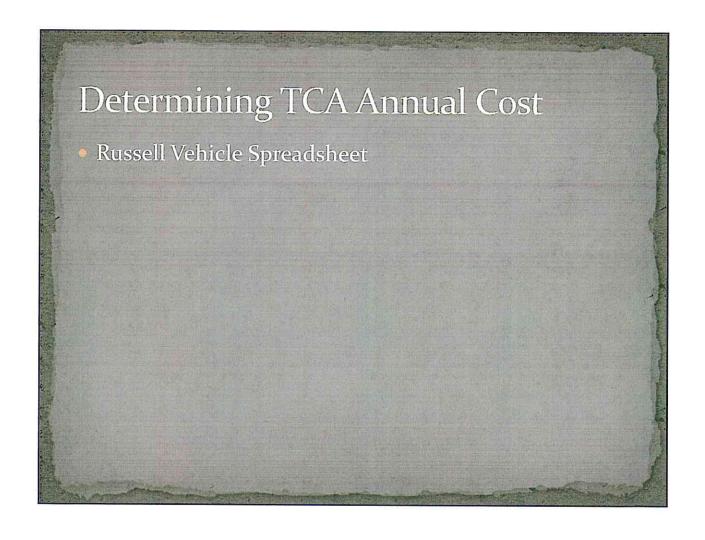
### Amortization

- PSAB 3150 requires that
  - The cost less residual value of a TCA with a limited life be amortized over its useful life
  - The amortization be in a rational and systematic manner
  - Amortization costs of a TCA should be expensed
  - The amortization method and estimated useful life should be reviewed regularly



### Types of Amortization Straight-line Asset provides consistent benefit throughout its life Based on expiration of time E.g. 3 year life for a computer, 50 year life for a water main Activity Based Benefit achieved from asset based on its use Need to determine number of units in useful life of asset E.g. 10,000 hr estimated life of a wheel loader, 200,000 kms for a vehicle





### Recording Amortization

- The purpose of amortization is to charge or expense a portion of an asset that relates to the revenue generated by that asset.
- This principle is called the Matching Principle, where revenues and expenses both appear in the income statement in the same reporting period, which gives the best view of how well an entity has performed in a given accounting period

### Recording Amortization

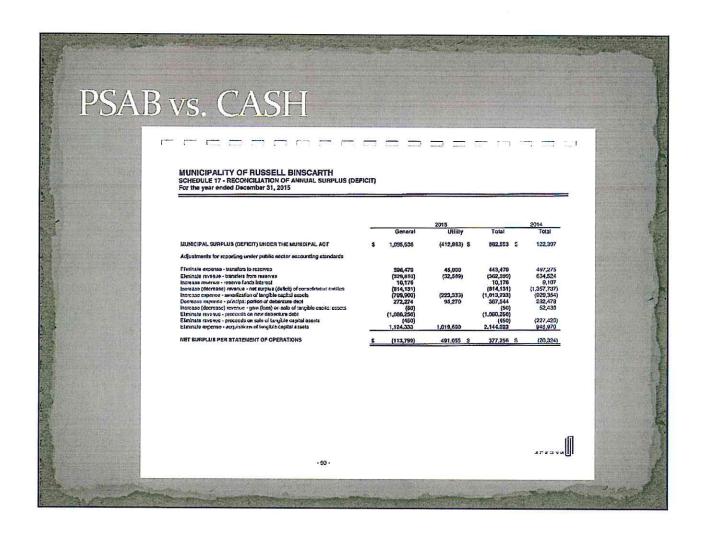
- Dr Amortization Exp
   Cr Asset's Accumulated Amortization
- Provides for compliance with Matching Principle
- Original asset balance as recorded remains intact
- Important for the entry needed to remove an asset upon its disposal

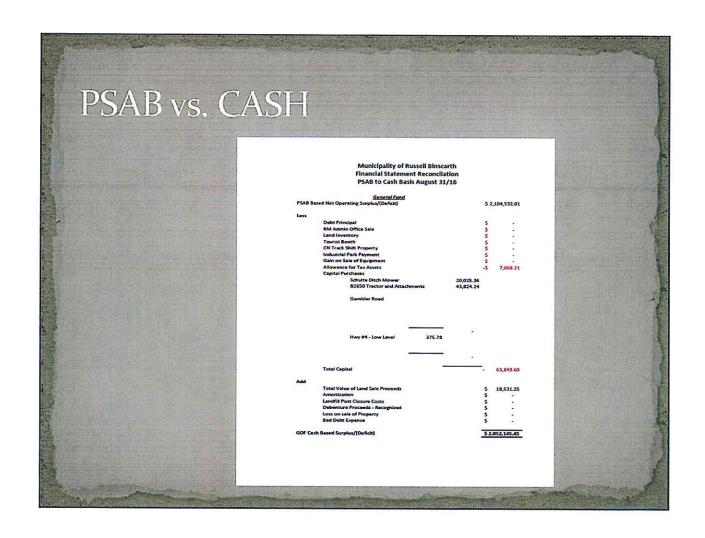
### Gain or Loss on Sale

- Under PSAB Asset sales including trade-ins could trigger a gain or loss on sale
- When an asset is sold the net book value of the asset must be compared to the price for which it was sold to determine gain or loss
- Gain/(Loss) = Sale price of Asset Asset's Unamortized Book Value

### PSAB vs. CASH

- Recording Capital Transactions will improve F/S information
- Does create an information gap between Budget and F/S
- Solution provide monthly reconciliation of PSAB to Cash transactions
  - Schedule 10 & 17 of the Audited Statement
  - Less -
    - TCA acquisitions
  - Add
    - Amortization expense





### Exercises

- Q.3
- At the end of 2015 the Municipality purchases a 2015 tandem dump truck for \$80,000 plus taxes net of their trade-in an 8 year old 3 ton truck. The MSRP for the Tandem was \$105,000. The 3 ton truck was originally recorded on the books for \$75,000 with an expected life of 10 years and the straight line method of amortization was used.
- How should the CAO record the initial transaction for the purchase of the Tandem and the trade in of the 3 ton.
- 2. What are the entries each year there after assume a 10 year life for the Tandem

## Exercises Q.4 A The Municipality has entered into a lease for Grader. Contrary to the advice of the CAO who had recently attended a Capital Asset seminar identifying the limited benefits of leases to municipalities, the Council went ahead and approved a contract with the following terms: 250,000 Total Value of a lease over 5 years for a piece of equipment BPO of \$1,000 PV of the Lease Payments is 225,000 How should the CAO record the initial transaction What are the entries each year there after

### Public - Private Partnership

P<sub>3</sub>s use of funds from the private sector in long-term approach to procuring public infrastructure .

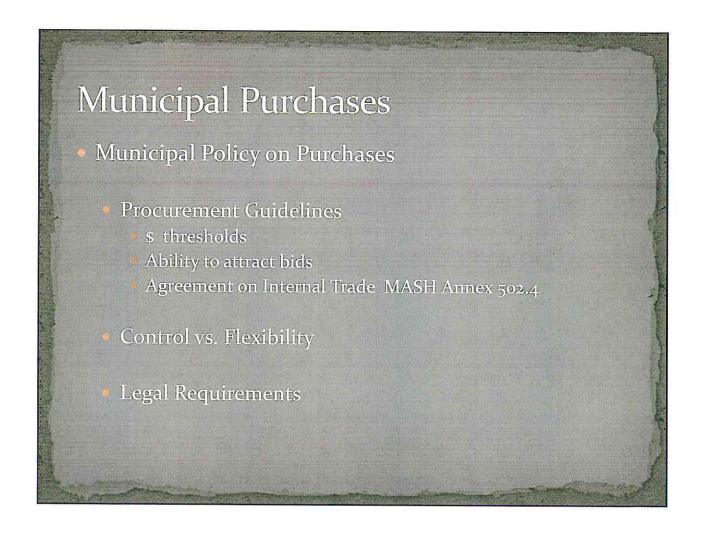
Projects are usually larger in scope and cost to provide the maximum opportunity for efficiency gains and return for private sector

 Average Cost of a Project Funded under P3 Canada approximately \$60,000,000





# Public – Private Partnership Future of P3 Prior to 2015 the Federal government required a P3 option on Projects over \$100,000,000 Current Liberal Government has backed away from requirement Issues around private ownership of public and essential service infrastructure P3 projects have not always been cost efficient Public opposition

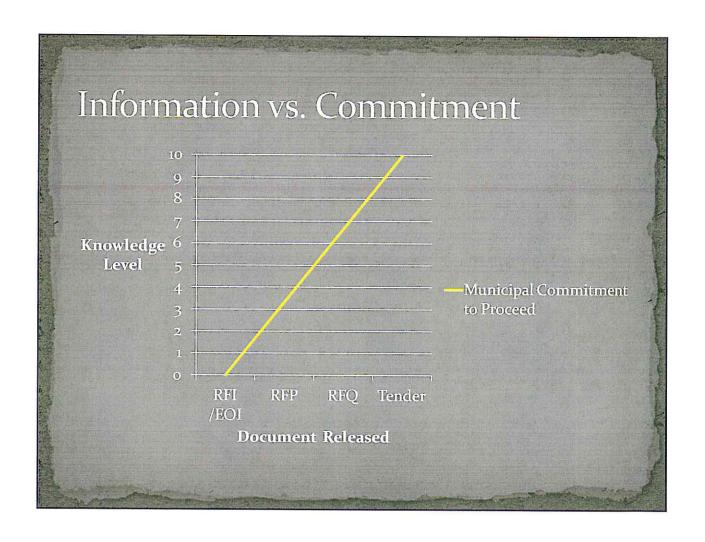


# Procurement & Capital Purchasing Sole Source Small contracts, projects or purchases When only one supplier is available In times of emergency RFI /EOI Municipality looking for more information Not necessarily committed to buying Likely to include a further step before a decision

### Capital Purchasing

- RFP (Request for Proposals)
  - Municipality is looking a solution based submissions
  - Probably no clear specification or best solution
  - Provides flexibility to Municipality
  - Qualifications of supplier a key, may override price
  - Often used to acquire professional services(Engineering, Auditor, Architect)

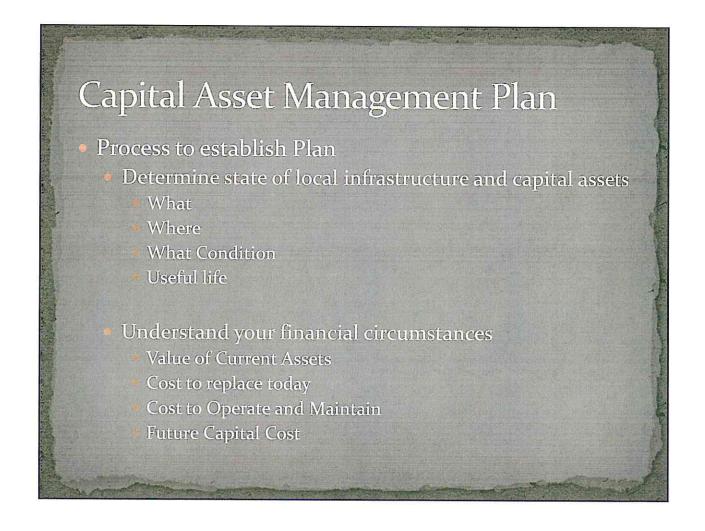




### TCA Acquisition

- MASH Annex
  - Agreement on Internal Trade enacted on July 1, 1999
  - Municipalities included in Agreement on Internal Trade
- MASH Annex Applies to
  - Goods and Services over \$100K
  - Construction Projects over \$250K
- All Procurement Covered by MASH
  - Must be advertised on MERX
  - Use of Municipal Website





### Capital Asset Management Plan

- Make informed decisions
  - Evaluate current decision making process, how is it done, who is involved
  - Determine the ideal process
  - Close the decision making gap
- Manage the Asset Life Cycle
  - Analyze current rates of deterioration of assets
  - Determine Priority areas and assets
  - Assess if Operations and Maintenance policy should change
- Set, review and respond

### Capital Asset Management Plan

- Asset Management Plans
  - Excellent tool to identify priorities
  - Excellent tool to assess future investment
- Senior Levels of Gov't Use them
- Many Provinces Require them of Municipalities (AB)
- Will be the norm when applying for Federal Funding

### What is a Y/E Audit

- A financial statement audit is the examination of an municipality's financial statements and accompanying disclosures by an independent auditor.
- The result of this examination is a report by the auditor, attesting to the fairness of presentation of the financial statements and related disclosures.
- The auditor's report must accompany the financial statements when they are issued to the intended recipients.

### Why is Audit Important

- Legal requirement
  - Municipal Act Section 127 (2)
  - Municipal Act Section 183 (1)
- Impacts on Financial position of Municipality
  - Gas Tax funds linked to Audited F/S
- Impacts on the confidence of the ratepayers on the professionalism of administration
- Impacts on Council confidence in staff

- Schedule time when you and or your staff are available to answer questions and meet if necessary
- Make sure records are neat, orderly and easily referenced
- Ensure the F/S being used by the Auditor has been approved by Council both interim and Y/E
- Auditor testing records and your control systems, the greater the confidence the better

- Prepare Documentation Provide support for every Balance Sheet Account
  - Cash provide evidence of year end cash count
  - Bank / Investments provide latest Statements,
     balanced bank reconciliation and interest accrual
  - A/R Provide a listing of all accounts receivable that matches the total in the individual receivable G/L accounts

- Taxes on Roll Complete the schedule requested by the auditor that details transactions through the account
- Ensure all due to/due from accounts balance
- Complete inventory counts with documentation and calculation of value. Adjust the balance from the previous year

- Provide copies of all invoices for TCA expenditures in the current year
- Complete TCA listings spreadsheets including inputting additions and disposals
- Provide Journal entries if not completed for all amortization expenses

- Calculate pre-paid accounts based on previous year
   e.g. Insurance
- Provide evidence of School Payable amount
- A/P Provide a listing of all accounts payable that matches the total in the individual payable G/L accounts
- Complete vacation, banked time and sick time calculation to establish Accrued Salaries

