



# RouteAhead: Prioritization of Future Capital Projects

SPC on Transportation & Transit

Misty Sklar, A/Manager, Transit Planning - Calgary Transit

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ISC: Unrestricted





## RouteAhead

- Long-term strategic plan to guide both operational and capital investments in transit
- Capital Investment Prioritization has not been updated in 7 years
- Council directed Administration “to use the framework and list of major transit growth projects for prioritizing the future stages of growth of the rapid transit network.”







# Project List

|   |   |
|---|---|
| Airport Transit Connector                 | Blue Line to Airport  |
|   | Green Line to Airport   |
| Blue Line NE extension                    | Saddletowne to 88 AV NE   |
|   | 88 AV NE to 128 AV NE   |
|   | 128 AV NE to Stonegate  |
| Blue Line W extension                     | 69 ST SW to 85 ST SW  |
| Green Line N extension                    | 16 AV N to 64 AV N  |
|   | 64 AV N to Beddington BV N  |
|   | Beddington BV N to 96 AV N  |
|   | 96 AV N to North Pointe   |
|   | North Pointe to 160 AV N  |
| Green Line S extension                    | Shepard to McKenzie Towne   |
|   | McKenzie Towne to Auburn Bay/Mahogany                                   |
|   | Auburn Bay/Mahogany to Seton  |
| Red Line S extension                      | Somerset-Bridlewood to 210 AV S   |
| Westbrook to MRU Transit Connection       | Blue Line connection to Mount Royal University and Currie Barracks area |
| 8 AV Subway                               | Red Line/Blue Line downtown separation                                  |
| MAX 301 North*                            | In-street improvements to Route 301 BRT North                           |
| MAX 302 Southeast                         | In-street improvements to Route 302 BRT Southeast                       |
| MAX Purple extension                      | Transitway extension: 52 ST SE to 84 ST SE                              |
|   | Transitway extension: 84 ST SE to City Limits                           |
|   | Downtown/Green Line tie-in  |
| MAX Teal extension                        | In-street extension from Douglas Glen to 68 ST SE                       |
| North Regional Context Study/144 AV N BRT | New in-street BRT route: Tuscany Station to Nose Creek                  |
| NW-HUB/West Campus Mobility               | New in-street routes  |
| Route 305 West                            | In-street improvements to Route 305 BRT West                            |
| Shaganappi HOV                            | HOV lanes: Bowness RD to Stoney TR                                      |
| 52 ST BRT                                 | In-street BRT route from Saddletowne to Seton                           |
| 162 AV S Transitway                       | New transitway BRT route: Somerset-Bridlewood to west Providence        |



## Key Points

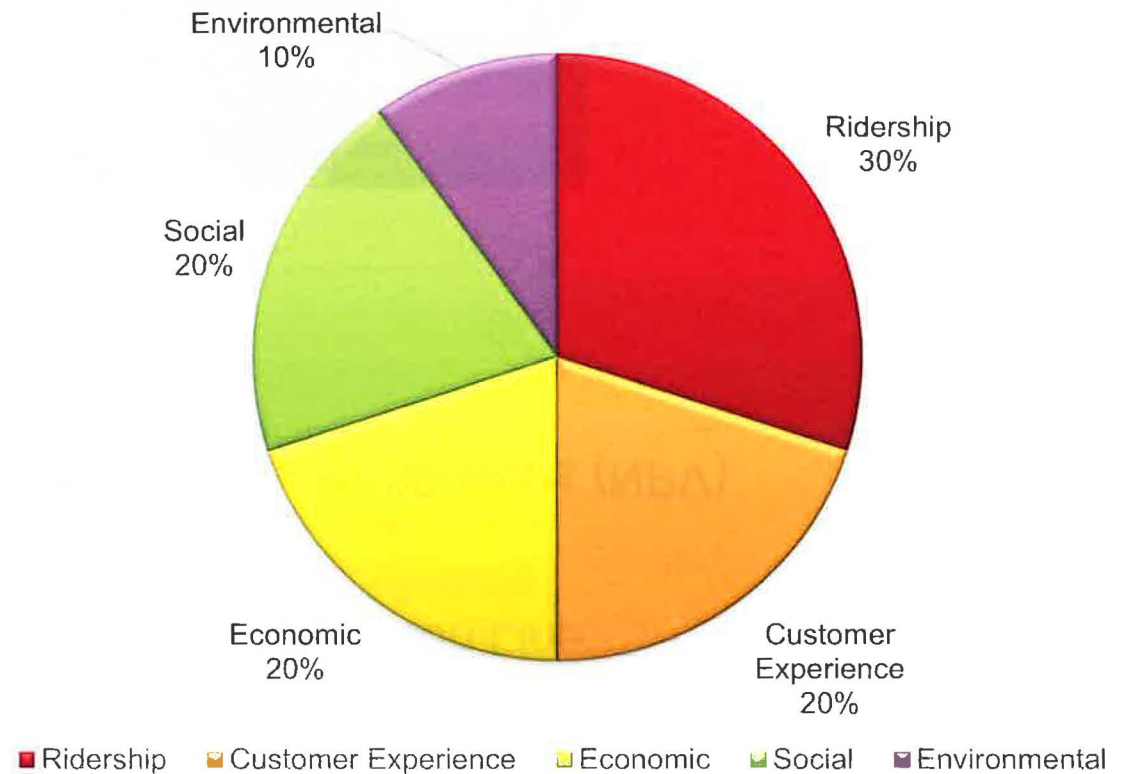
- Prioritization does not include Green Line
- Benefits analysis used 2048
- Capital and Operating Costs for 30-years (NPV)



# Prioritization Process

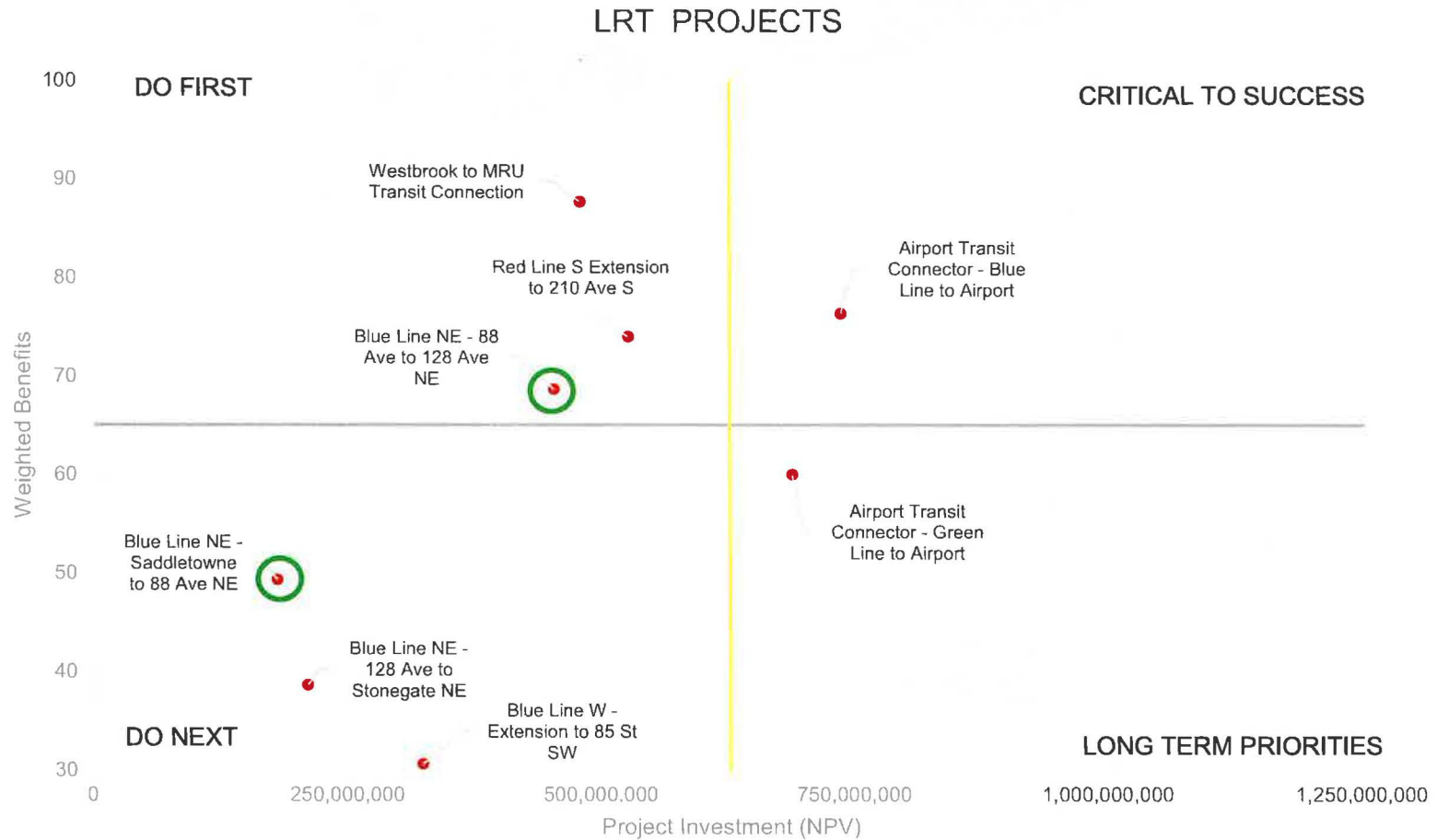
- Two Dimensional Process
- Evaluated benefits using weighted criteria
- Compared with capital and operating investments
- Assessed readiness and logical build out

### Benefits Using Weighted Criteria





# LRT Projects - Weighted Benefits, Project Investment and Project Readiness





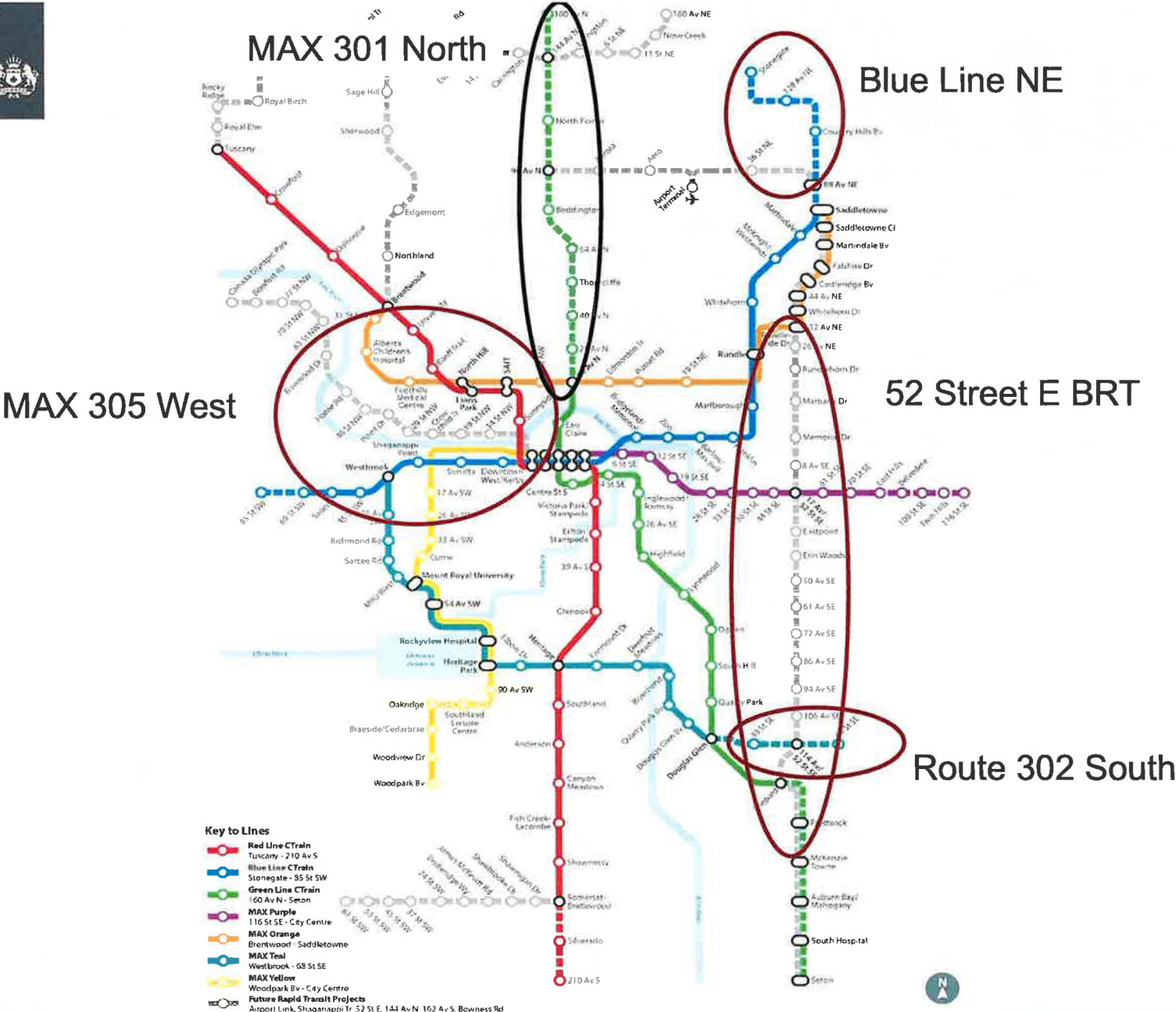
# Summary of Prioritization Results

| Short-term Projects                                     | Rank |
|---|------|
| 52 Street E BRT   | 1    |
| MAX 301 North   | 2    |
| Route 305 West  | 3    |
| Blue Line NE  | 4    |
| MAX 302 South   | 5    |
| MAX Purple/17 Ave SE - Blackfoot Truck Stop to Downtown | 6    |
| MAX Purple/17 Ave SE - 52 St E to 84 St SE              | 7    |
| Max Teal/South Crosstown BRT - Extension                | 8    |

| Long-term Projects                                | Rank |
|---|------|
| Westbrook to MRU Transit Connection               | 1    |
| North Regional Context Study                      | 2    |
| Airport Transit Connector - Blue Line to Airport  | 3    |
| Shaganappi HOV: Bowness Road to Stoney Trail      | 4    |
| Red Line S Extension to 210 Ave S                 | 5    |
| NW-HUB / West Campus Mobility                     | 6    |
| 162 Ave Transitway/BRT                            | 7    |
| Airport Transit Connector - Green Line to Airport | 8    |
| Blue Line NE - 128 Ave to Stonegate NE            | 9    |
| MAX Purple/17 Ave SE - 84 St E to City Limits     | 10   |
| Blue Line W to 85 St SW                           | 11   |







## Prioritizing State of Good Repair

- Continue to provide safe and reliable transit service.
  - Assets included in this category include fleet vehicles, buildings, tracks and related equipment, fare systems, and other technology systems
- Keep up with ridership demand, population growth and sustaining existing service.



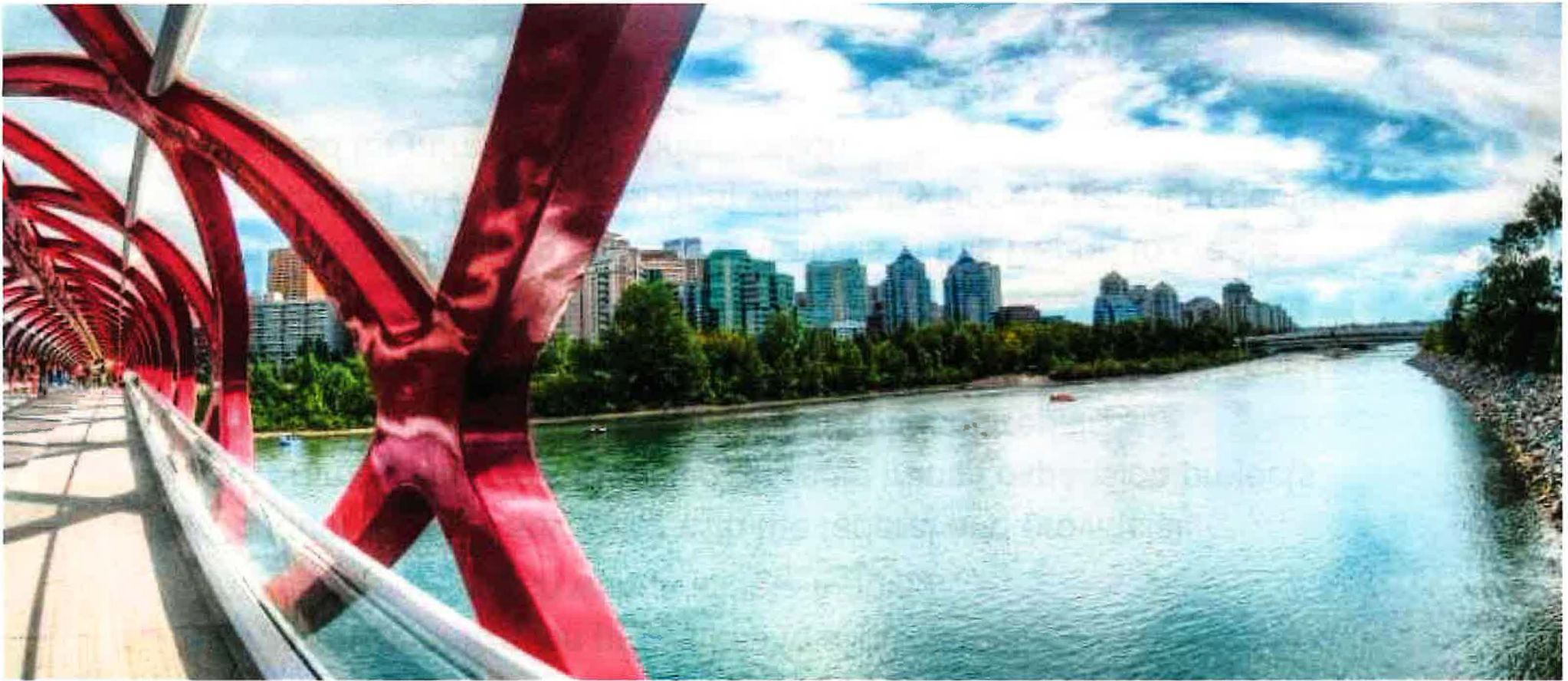


## Council Direction

That the SPC on Transportation and Transit recommend that Council:

1. Use the results of the prioritization analysis to advance projects to the corporate prioritization processes to align with all City priorities and make the best match with available funding.
2. Conduct ongoing advocacy with the federal and provincial government for capital funding for rapid transit expansion projects, fleet purchase/maintenance, and state of good repair.
3. Return to Committee by Q4 2022 with an updated prioritization list as part of the 10-year review of RouteAhead.
4. Direct Administration to use the analysis in this Report to create Appendix 1 of RouteAhead that will identify priority transit projects to be used for infrastructure prioritization.





Thank you