MERIT Capital Assistance – Summary of Updates to State of Good Repair and Minor Enhancement Project Scoring

This document outlines the proposed changes to the State of Good Repair and Minor Enhancement Project Scoring as presented to the Transit Service Delivery Advisory Committee (TSDAC) at the May 13, 2022 meeting.

1. **Currently, State of Good Repair (SGR) projects can received up to 60 points from the "Asset Condition Score" and 40 points from the "Service Impact Score. The result of all changes outlined in this document will increase the total points available for SGR projects to 110, and for MIN projects to 50.**

Figure 1: <u>Current</u> State of Good Repair (SGR) Scoring:
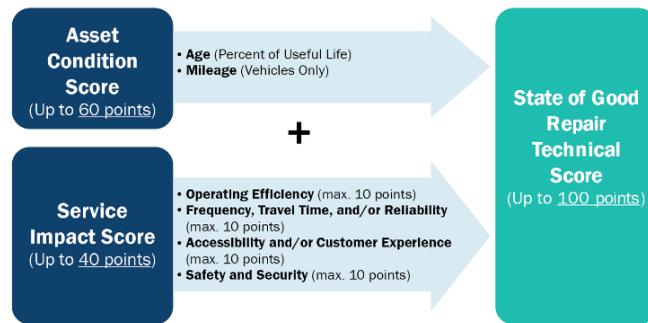

Figure 1a: <u>Proposed</u> State of Good Repair (SGR) Scoring:
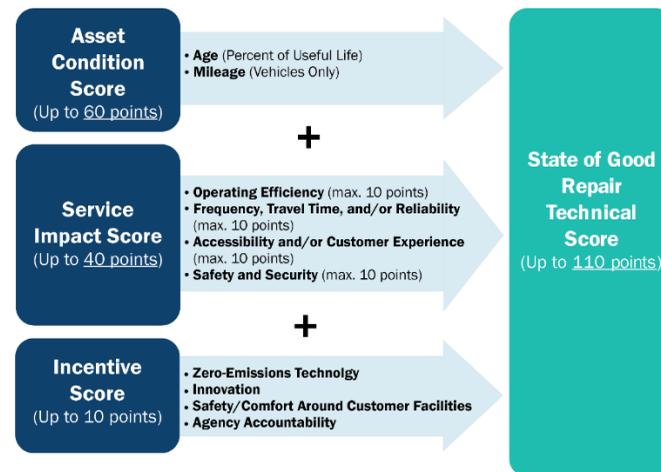
Figure 2: <u>Current</u> Minor Enhancement (MIN) Scoring:
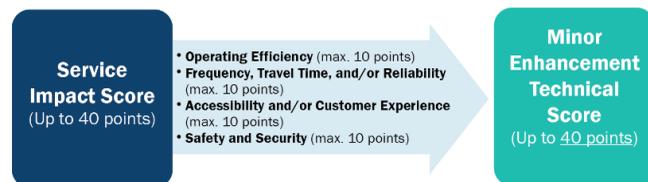
Figure 2a: <u>Proposed</u> Minor Enhancement (MIN) Scoring:

2. **Recommendation: Update Asset Condition Scores to lower the floor for earning points to 80% of ESL for all vehicle types.**

Under the current policy, replacement assets only begin to generate points in the "asset condition score" when they have reached 95% of their Estimated Service Life (ESL). This means a vehicle that has reached 10% of ESL and 94% score exactly the same.

Figure 3: <u>Current</u> Asset Condition Score Schedule

Age of Asset Relative to Service Life	Points	Mileage of Vehicle Relative to Service Life	Points
< 95% of ESL Age	0	< 95% of ESL Mileage	0
+/- 4.9% ESL Age	30	+/- 4.9% ESL Mileage	30
5-9.9% > ESL Age	35	5-9.9% > ESL Mileage	35
10-19.9% > ESL Age	40	10-19.9% > ESL Mileage	40
20-29.9% > ESL Age	45	20-29.9% > ESL Mileage	45
30-39.9% > ESL Age	50	30-39.9% > ESL Mileage	50
40-49.9% > ESL Age	55	40-49.9% > ESL Mileage	55
50% or more > ESL Age	60	50% or more > ESL Mileage	60

Under the current policy, points are earned starting at 95% of ESL for age/ mileage.

Figure 3a: <u>Proposed</u> Asset Condition Score Schedule

Age of Asset Relative to Service Life	Points	Mileage of Vehicle Relative to Service Life	Points
< 80% of ESL Age	0	< 80% of ESL Mileage	0
80-89.9% of ESL Age	25	80-89.9% of ESL Mileage	25
90-99.9% of ESL Age	30	90-99.9% of ESL Mileage	30
0-9.9% > ESL Age	35	0-9.9% > ESL Age	35
10-19.9% > ESL Age	40	10-19.9% > ESL Mileage	40
20-29.9% > ESL Age	45	20-29.9% > ESL Mileage	45
30-39.9% > ESL Age	50	30-39.9% > ESL Mileage	50
40-49.9% > ESL Age	55	40-49.9% > ESL Mileage	55
50% or more > ESL Age	60	50% or more > ESL Mileage	60

Under the proposed policy, assets will begin earning points at 80% of ESL for age/ mileage. This does not guarantee that DRPT will be able to fund replacements at 80% of their ESL each year. Rather, this would allow for additional replacement requests to be stratified in the prioritization list, and differential those assets that have reached or exceeded 80% of their ESL from those that have not.

3. **Recommendation: Update the "Service Impact Score" schedule to include more project types and provide higher default scores for certain types [up to 40 points]**

Currently, Service Impact Scores are based on 12 unique "MERIT - Project Type" categories that reflect standard capital projects implemented by transit service providers. The 12 categories, however, do not offer enough differentiation between certain types of projects, specifically in the Minor Enhancement program. In addition, some "MERIT Project Type" categories generate low scores, yet represent high priority projects for DRPT.

Figure 4: Current Service Impact Score Schedule

Primary Project Types	Secondary Project Types	Operating Efficiency	Frequency, Travel Time and/or Reliability	Accessibility and/or Customer Experience	Safety and Security	Total Default Score
Vehicles	Revenue Vehicles	High Impact	High Impact	High Impact	High Impact	32
Vehicles	Overhaul/Engine Replacement	High Impact	High Impact	Medium Impact	High Impact	29
Customer Facilities	Transit Centers/Stations	Medium Impact	Medium Impact	High Impact	Medium Impact	23
Maintenance Equipment & Parts	All	Medium Impact	Medium Impact	Medium Impact	High Impact	23
System Infrastructure	All	High Impact	Medium Impact	Medium Impact	Medium Impact	23
Technology/Equipment	Onboard Systems—ITS/Communications	Medium Impact	Medium Impact	High Impact	Medium Impact	23
Technology/Equipment	Operations Support	Medium Impact	Medium Impact	Medium Impact	Medium Impact	20
Admin/Maintenance Facilities	All	Medium Impact	Medium Impact	Low Impact	Medium Impact	17
Customer Facilities	Bus Stop/ Shelter Improvements	Low Impact	No Impact	High Impact	Medium Impact	15
Vehicles	Support Vehicles	Medium Impact	Medium Impact	Low Impact	Low Impact	14
Technology/Equipment	Onboard Systems—Safety	No Impact	No Impact	Medium Impact	High Impact	13
Technology/Equipment	Administrative	Low Impact	Low Impact	Low Impact	Low Impact	8

Under the current policy, each impact rating earns the following number of points:

- **High: 8 points**
- **Medium: 5 points**
- **Low: 2 points**
- **No Impact: 0 points**

Figure 4a: Proposed Service Impact Score Schedule

Primary Project Types	Secondary Project Types	Operating Efficiency	Frequency, Travel Time and/or Reliability	Accessibility and/or Customer Experience	Safety and Security	Total Default Score
Vehicles	Revenue Vehicles	High Impact	High Impact	High Impact	High Impact	40
Capital Finance Strategies	All	High Impact	High Impact	High Impact	Medium Impact	36
Vehicles	Overhaul/Engine Replacement	High Impact	High Impact	Medium Impact	High Impact	36
Maintenance Equipment & Parts	Vehicle and Vehicle Support Equipment	High Impact	High Impact	Medium Impact	Medium Impact	32
Customer Facilities	Transit Centers/Stations	Medium Impact	Medium Impact	High Impact	Medium Impact	28
System Infrastructure	All	High Impact	Medium Impact	Medium Impact	Medium Impact	28
Technology/Equipment	Onboard Systems—ITS/Communications	Medium Impact	Medium Impact	High Impact	Medium Impact	28
Admin/Maintenance Facilities	Supports Operations	High Impact	Medium Impact	Low Impact	Medium Impact	25
Technology/Equipment	Operations Support	Medium Impact	Medium Impact	Medium Impact	Medium Impact	24
Customer Facilities	Bus Stop/ Shelter Improvements	Low Impact	No Impact	High Impact	High Impact*	23
Maintenance Equipment & Parts	Property and Facilities	Medium Impact	Low Impact	Low Impact	High Impact	22
Vehicles	Support Vehicles	Medium Impact	Medium Impact	Low Impact	Low Impact	18
Technology/Equipment	Onboard Systems—Safety	No Impact	No Impact	Medium Impact	High Impact	16
Admin/Maintenance Facilities	Non-Operational	Low Impact	Low Impact	Low Impact	Medium Impact	15
Technology/Equipment	Administrative	Low Impact	Low Impact	Low Impact	Low Impact	12

Under the proposed policy, the impact rating for "Customer Facility – Bus Stop/ Shelter Improvements" has increased to "high" in the Safety and Security Factor Area.

In addition, each impact rating earns the following number of points:

- **High: 10 points**
- **Medium: 6 points**
- **Low: 3 points**
- **No Impact: 0 points**

4. Recommendation: Replace "Additional Considerations" within Service Impact Score with new scoring category – "Incentive Scoring" [up to 10 points]

Within the "Service Impact Score", projects can receive up to 10 additional points based on a few select agency-wide performance metrics or specific characteristics of a project. However, there are multiple issues with the "Additional Considerations" in their current form.

Figure 5: <u>Current</u> "Additional Considerations" Schedule

Criteria	Additional Considerations *Added to Default Score (**Not to** Exceed 10 points for Any Criterion)*
Operating Efficiency	• Add 1 point for LEED-certified buildings or facilities (reduced facility operating costs). • Add 1 point for Electric or Hybrid Technology vehicles • Add 1 point for expansion buses if the agency spare ratio is below 15%
Service Frequency, Travel Time and Reliability	• Add 1 point if the agency fixed-route on-time performance (OTP) is greater than 80% • Add 1 point if the agency Vehicle Mean Distance between Failures > 10,000 miles
Service Accessibility and Customer Experience	• Add 1 point for investments that add new stops or expand service coverage • Add 1 point for software/hardware to provide real-time arrival information
Safety and Security	• Add 1 point for onboard technology to enhance passenger safety • Add 1 point for improved lighting or other crime prevention features • Add 1 point for pedestrian safety improvements

Under the current "Additional Considerations" approach, DRPT has found the following issues:

1. The current weighting of the additional points has proven to make little difference in funding decisions
2. One additional point offers little incentive to pursue certain types of projects
3. The current additional considerations are not always in line with statewide goals
4. The agency-wide performance metrics have been difficult to verify

Figure 5a: <u>Proposed</u> "Incentive Scoring" Schedule

Criteria	Points	DRPT Incentive Points: SGR and MIN Projects *Incentives for projects that satisfy DRPT Goals (Not to exceed 10 points total per project)*
Zero - Emissions Technology	**5 Points**, if project includes one of the following:	· Procurement of Zero-Emissions Vehicles, or · Installation of Zero-Emissions Infrastructure
Innovation	**5 Points**, if project includes one of the following:	· Installation of Real-Time Departure/ Arrival Information, or · Automated Data Collection, Scheduling and Dispatch technology acquisition, or · Utilization of Transit Signal Priority, or · Installation of safety technology, or · Mobile Ticketing
Safety and Comfort Around Customer Facilities	**5 Points**, if project includes one of the following:	· Enhanced Lighting at Transit Stations or Stops, or · Enhancements for Pedestrians/ Accessibility connecting passengers to Transit, or · Projects that include benches or shelters
Agency Accountability	**5 point**, if all requirements are met:	· Compliance with State Asset Management Requirements (TransAM Updates) · Compliance with State Strategic Planning Requirements (TSP/TDP Documents Up to Date) · Compliance with State Capital Planning Requirements (5-year Capital Budgets) · Compliance with State Performance Reporting (On-time reporting in OLGA)

Under the proposed "Incentive Scoring" approach, DRPT will reward projects with 5 points if they include at least one characteristic listed under the "Zero-Emissions Technology", "Innovation", and "Safety and Comfort around Customer Facilities" categories. To earn 5 points for "Agency Accountability," the agency must comply with <u>all</u> requirements listed.