

PROCESS

- 1. All projects will be evaluated based on the phasing criteria and weighing described below.
- 2. Projects will be categorized in three scales based on intent of the project: Within Community, Community to Region, Region to Region. All projects will be scored with the same criteria and methodology, but the weighing of criteria will change between the three scales. Examples of each scale are below.
 - a. Within Community: These projects serve more localized needs or are within one or two communities such as 900 East in Salt Lake County or Country Hills Drive in Weber County.
 - b. Community to Region: These projects tie communities to the region and serve both localized and regional needs such as Redwood Road or SR-193.
 - c. Region to Region: These projects serve regional trips that traverse multiple communities such as Mountain View Corridor or US-89 in Davis County.
- 3. The travel demand model will be run with all projects evaluated to be needed in Phase 1 of the plan and year 2030 socioeconomic data, creating a Phase 2 evaluation run. All projects that are evaluated to not be needed in Phase 1 of the plan will be evaluated based the Phase 2 evaluation run and the phasing criteria and weighing described below. A few measures may be evaluated differently for Phase 2 evaluation and are noted as such.
- 4. The total score for each project and the total score for each project divided by cost will be compared.

PHASING CRITERIA (TIMING-BASED EVALUATION)

Safe, user-friendly streets				
2019 – 2050 Proposed Objective	Improves safety issues	Within Community 15 points	Community to Region 15 points	Region to Region 15 points
Measure	Project is on facility with high Safety Index score and would reduce serious and/or fatal crashes	15 points	15 points	15 points
Methodology	For existing facilities, project receives 0 to 15 points base project gets. If the project's Safety Index varies throughou For new construction, project receives 0 to 15 points base extension of an existing facility, that facility's Safety Index	d on UDOT's Safety Ir ut the length of the p ed on the Safety Inde will be used.	ndex. The higher the Safo roject, a weighted avera x of parallel, similar facil	ety Index, the more points the ge will be used. lities. If new construction is an
Data Needs	Safety index data			

Manageable and reliable traffic of	conditions					
2019 – 2050 Proposed Objective	Reduces vehicle hours of delay	Within Community 10 points	Community to Region 15 points	Region to Region 20 points		
Measure (Phase 1)	Vehicle hours per mile and delay saved using the 2030 socioeconomics on the 2019-2023 Transportation Improvement Program (for existing roads) <i>or</i> Roadway increases connectivity or provides redundancy in the network (for new roads)	10 points	15 points	20 points		
Measure (Phase 2)	Vehicle hours per mile and delay saved using the 2040 socioeconomics on phase 1 needed projects (for existing roads) <i>or</i> Roadway increases connectivity or provides redundancy in the network (for new roads)	10 points	15 points	20 points		
Methodology	For phase 1 phasing, the travel demand model will be run with 2030 socioeconomic data on 2019-2023 TIP and compared to a travel demand model run with 2030 socioeconomic data and the preferred scenario network. For phase 2 phasing, the travel demand model will be run with 2040 socioeconomic data on phase 1 needed projects and compared to a travel demand model run with 2040 socioeconomic data on phase 1 needed projects and compared to a travel demand model run with 2040 socioeconomic data on phase 1 needed projects and compared to a travel demand model run with 2040 socioeconomic data on phase 1 needed projects and compared to a travel demand model run with 2030 socioeconomic data on phase 1 needed projects and compared to a travel demand model run with 2040 socioeconomic data on phase 1 needed projects and compared to a travel demand model run with 2030 socioeconomic data and preferred scenario network.					
	Within Community: Project receives 0 to 5 points based on reduction in vehicle hours per mile. Points are normalized to the project with the highest reduction in volume hours for this project scale. Community to Region and Region to Region: Project receives half of score (0 to 7.5 or 0 to 10 points) based on reduction in vehicle hours per miles and half of score (0 to 7.5 or 0 to 10 points) based on reduction in speeds. Points are normalized to the project with the highest reduction in vehicle hours are normalized to the project with the highest reduction in vehicle hours and the highest savings of delay for the project scale.					
	For new roadways, project will receive points (0 to 5, 15, or 20 points) based on future projected traffic volumes per mile. Points will be normalized to the project with the highest assigned volume per mile for the project scale.					
Data Needs	Vehicle load, delay per segment, length of segment, travel time per segment, free flow speed/travel time					

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Access to economic and educational opportunities

2019 – 2050 Proposed Objective	Improvement in Access to Opportunity	Within Community 15 points	Community to Region 15 points	Region to Region 15 points	
Measure (Phase 1)	Project improves number of total jobs and education that can be accessed in defined travel shed using 2030 socioeconomics on the 2019-2023 Transportation Improvement Plan	15 points	15 points	15 points	
Measure (Phase 2)	Project improves number of total jobs and education that can be accessed in defined travel shed 2040 socioeconomics on phase 1 needed projects	15 points	15 points	15 points	
Methodology	Methodology Each project is assigned representative TAZs. Total number of jobs and educational opportunities, weighed by population, between projected year with and without draft preferred projects is calculated. Points assigned relative to highest performing project in project scale.				
Data Needs	Jobs and education accessible by TAZ				
Access to economic and education	onal opportunities				
2019 – 2050 Proposed Objective	Enhances freight mobility	Within Community 5 points	Community to Region 10 points	Region to Region 15 points	



Measures

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	cluster			
	Project is on UDOT Freight Plan	2.5 points	5 points	7.5 points
Methodology	Project receives full points (2.5, 5, or 7.5 points) if the project intersects with an industrial area or freight-dep within a mile and provides direct access to area/cluster. No points received otherwise. Freight-dependent clu centers as defined in the UDOT Freight Plan or as defined by WFRC's GOED cluster analysis. Project receives full points (2.5, 5, or 7.5 points) if it is on UDOT Freight Plan. No points received if project is		ndent cluster or is ters are freight ot on UDOT Freight	
	Plan.			
Data Needs	Freight cluster locations, projects on UDOT Freight	Plan		

2.5 points

Project connects to an industrial area or freight-dependent

7.5 points

5 points

Fiscally efficient communities and infrastructure	
2019 – 2050 Proposed Objective	Project readiness

	2019 – 2050 Proposed Objective	Project readiness	Within Community 10 points	Community to Region 10 points	Region to Region 10 points	
	Measures	Project is part of a planning/environmental study	7 points	7 points	7 points	
<u> </u>		Efforts underway to preserve the project's corridor	3 points	3 points	3 points	
	Methodology	Project receives full points (7 points) if environmental study is underway or completed. Project receives partial points (3.5 points) if a planning study that can be moved into environmental work is underway or completed, but environmental work has not begun. Otherwise, project receives no points.				
		Project receives full points (3 points) if project corridor is pre points (3 points) if it is an operational or re-stripe project. Ot	eserved or completed right therwise, project receives r	-of-way is purchased. Pro no points.	oject receives full	
	Data Needs	Information from community inventory				
	Fiscally efficient communities and	d infrastructure				
	2019 – 2050 Proposed Objective	Asset management/state of good repair	Within Community 10 points	Community to Region 10 points	Region to Region 10 points	
	Measures	Project replaces or improves deficient bridge	5 points	5 points	5 points	
		Project replaces or improves deficient pavement	5 points	5 points	5 points	
<u> </u>	Methodology	It is assumed all widening and interchange improvement projects will replace or repair deficient bridges. Widening and interchange improvements that replace a structure rated up to 65 by the UDOT Bridge Deficiency Score, or local community survey, receive full points (5 points). A project that replaces a structure rated between 65 and 80 receives partial points (2.5 points). Otherwise, a project receives no points.				
		It is assumed all widening and interchange improvement pro interchange improvement projects that contain a poor paver points (5 points). Widening and interchange improvement pr community survey, receive partial points (2.5 points). Otherv	ojects will replace or repair ment rating, based on UDC rojects that contain a fair p wise, a project receives no	deficient pavement. Wid DT or local community su pavement rating, based o points.	ening and rvey, receive full n UDOT or local	
	Data Needs	UDOT bridge and pavement information and information fro	om community inventory			

Livable and healthy communities				
2019 – 2050 Proposed Objective	Supports the WC 2050 centers and revitalizes the economy	Within Community 20 points	Community to Region 15 points	Region to Region 10 points
Measures	Project improves access to or within a WC2050 urban or town center or job area	10 points	10 points	10 points
	Project is keeping within community character by being in an area plan, corridor plan, or visioning process	10 points	5 points	0 points
MethodologyProject receives full points (10 points) if within a WC2050 urban or town center or job area. Project receives p points) if within 1 mile of WC2050 urban or town center or job area.Project receives full points (5 or 10 points) if included in adopted area plan, corridor plan, or vision. Otherwise no points.Data NeedsWC2050 center locations; information from community inventory		area. Project receives par	rtial points (5	
		a project receives		

Quality transportation choices						
2019 – 2050 Proposed Objective	Supports transportation choices	Within Community 10 points	Community to Region 8 points	Region to Region 5 points		
Measures	Project is compatible with an existing or planned transit route	5 points	3 points	3 points		
	Project supports active transportation	5 points	5 points	2 points		
Methodology	Projects receives full points (5 or 3 points) if it is a future joint corridor with transit or if it accommodates existing transit route. Otherwise, project receives no points.					
	Projects receives full points (5 or 2 points) if it is on the regional bike plan. Project receives partial points (2.5 or 1 point) if it is on the base bike plan. Otherwise, project receives no points.					
Data Needs	Transit route information; regional bike plan information					

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•	Housing choices and affordable living					
	2019 – 2050 Proposed Objective	Supports affordable transportation costs	Within Community 5 points	Community to Region 2 points	Region to Region 0 points	
	Measure	Provides multi-modal options to vulnerable communities	5 points	2 points	0 points	
	Methodology	Project receives full points (5 or 2 points) if within a quarter-mile of a vulnerable community and accommodates a transit route or active transportation facility. Project receives partial points (2.5 or 1 point) if it is within a quarter-mile of a vulnerable community and provides increased street connectivity.				
	Data Needed	Vulnerable community locations; transit route; active transpo	rtation network			

Goals Not Evaluated for Phasing

	Ample parks, open spaces, and recreational opportunities			
	2019 – 2050 Proposed Objective	Not evaluated for phasing but evaluated for scenario development and project selection		
	Measure	N/A		
	Methodology	N/A		
	Clean air			
29	2019 – 2050 Proposed Objective	Not evaluated for phasing but evaluated for scenario development		
0	Measure	N/A		
	Methodology	N/A		
	A sustainable environment incluc	ling water, agricultural, and other natural resources		
	2019 – 2050 Proposed Objective	Not evaluated for phasing but evaluated for scenario development and project selection		
e	Measure	N/A		
	Methodology	N/A		