

<b>Apache Junction - Idaho Road North from Tepee to McKellips Project Description Sheet</b>		
<b>Instructions</b>	1. Please enter values for all cells with a green fill pattern 2. All cells are required. If the information is not applicable enter "None" or 0.	
<b>1. Project Sponsorship</b>	Project Sponsor Name	Apache Junction
	Other Participating Agencies	
<b>2. Project Location</b>	Identify the Project Location (50 Char Limit)	Idaho Road North from Tepee to McKellips
	Attach a map depicting the project.	(Attach a map depicting the project location)
	Attach a vicinity map of the project	(Attach a vicinity map showing the project location relative to the area)
<b>3. Project Work Description</b>	Provide a short work description (50 char limit)	Clearing, grading and new pavement on Idaho Road
	Overview - please describe the work to be performed, its benefits and costs	The city of Apache Junction will clear existing pavement, grade the roadway, and install new aggregate base and pavement to Idaho Road from Tepee North to McKellips Road. The replacement of the deteriorated pavement has an engineers estimate of \$1,449,689.81 and will cover an area of 1.5 miles. This stretch of road serves Apache Junction and Pinal County residents as well as visitors to the areas popular recreational sites and amenities.
<b>4. Proximity to the Nearest Employment and Commercial Center</b>	Employment Center	
	Name of Nearest Employment Center	City of Apache Junction City Hall Complex, Pinal County Government Complex, Social Security Office, Post Office, and Motor Vehicle Division.
	Approximate Number of Employees at the center	453
	Distance to the project	< 1 mile
	Commercial Center	
	Name of Nearest Commercial Center	Fry's Shopping Center
	Approximate Square Footage of the Commercial Center	125,000
	Distance to the project	< 2 miles
<b>5. Regional Connectivity</b>	Does the Project Improve Connectivity	Yes
	If answer above was yes, briefly discuss how the project improves regional/multijurisdictional connectivity.	Idaho road connects the city of Apache Junction to the unincorporated Pinal County area north of the city limits. This is a residential area and is critical for access to employment, education, recreation, shopping, and medical care in Apache Junction. The 2010 Census indicates an estimated 5,204 person reside within the two census tracts that are directly intersected by Idaho Road. In addition to area residents, Idaho Road connects many area recreational amenities which attract thousands of visitors each year. Average daily traffic counts taken at intersections indicate there are 2,382 vehicle which travel through this area daily. The area elementary school located at Idaho Road and Tepee has a current student count of 720.

<b>Apache Junction - Idaho Road North from Tepee to McKellips Project Description Sheet</b>		
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<b>6. Agency Plans</b>	IS the project Included in Agency Plans	Yes
	If the check box above is checked, briefly discuss jurisdiction General/Transportation Pan and the role of the project in the plan.	This project is included in the City of Apache Junction's Capital Improvement Plan for 2022-2023.
<b>7. Community Involvement</b>	Is the project a community request	Yes
	If the check box above is checked, briefly describe the nature of the community request.	Although there has been no specific public participation process. The community has provided input to the city public works department on issues of concern for this roadway which restricts access to education and recreation facilities.

<b>Apache Junction - Idaho Road North from Tepee to McKellips Roadway Segment Sheet</b>		
<b>Instructions</b>	1. This sheet is required for all roadway segment and bridge projects. Please omit if the project is exclusively an intersection project. 2. Items for #4 and #14 may be omitted for non bridge projects, all other green colored cells are required 3. A Excel work sheet for each distinct roadway section or segment is required. To add a new worksheet to this Excel workbook file, do the following:  > Right Click on the Roadway tab at the bottom of the screen > Select the "Move or Copy" option > Select the "Roadway" sheet > Check the "Create Copy" box > Click the "Okay" button	
<b>1. Roadway Location</b>	Roadway Name	Idaho Road
	Starting Limit	Tepee Road (1600 north address block)
	Ending Limit	McKellips Road (4000 north address block)
	Length (to nearest 10th of a mile)	1.50
<b>Current Roadway Characteristics</b>		
<b>2. Federal Functional Classification</b>	Please select the federal functional classification of the roadway	Major Collector
	<a href="#">Link to Functional Classification Maps</a>	
<b>3. Current Typical Cross Section</b>	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	(Attach cross section diagram that depicts the lane configuration, shoulders, the median, bicycle lanes, sidewalks, access control features such as barriers and adjoining features such as canals. Widths of features should be included and type of paving should be indicated)
	Attach a photo(s) of the current roadway	(Attach phot(s) of the roadway)
	Number of Through Lanes (Both directions)	3
<b>4. Bridge Condition (Required only for bridge projects)</b>	Bridge Sufficiency Rating (from ADOT NBI Table)	
	Is Structurally Deficient?	No
	Is Functionally Obsolete?	No
	<a href="#">Link to ADOT NBI Table</a>	
<b>5. Pavement Condition</b>	Pavement Type	Asphaltic Concrete
	Pavement Rating	
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	Rating system based on remaining service life (RSL) of 1-20 with 20 being the best condition.
	Rating system scale - please describe the scale used in the rating system - e.g. it ranges from 1 to 100 with 100 being the best condition.	Roadway segment has a current RSL rating of 3.
	Date of Rating	11/29/2016
	Rating	3

<b>Apache Junction - Idaho Road North from Tepee to McKellips Roadway Segment Sheet</b>		
<b>6. Traffic</b>	Traffic Count (Mid Block Only)  Please describe how the count was collected	Traffic counters were used at intersections. MAG staff will provide mid-block estimate based on their collected data.
	Date of Count	4/27/2017
	AADT	2446
	K-Factor - Percent of traffic in the peak hour	9%
	D-Factor - Percent of design hour volume flowing in the peak hour direction	9%
	Number of lanes in the Peak Hour Direction	1
	Posted Speed Limit (mph)	35
	Peak Hour Speed (mph)	35
<b>7. Safety</b>	Name and limits of roadway where crashes occurred. If the project builds a new roadway, please use a comparable roadway for crash data submitted and explain why it was selected.	The roadway limits are Idaho Road between Superstition and Lost Dutchman.
	Number of fatality crashes	0
	Number of incapacitating crashes	1
	Number of non incapacitating crashes	10
	Number of possible injury crashes	1
	Number of property damage only crashes	11
<b>8. Multimodal</b>	Does the roadway have a transit Route?	No
	Does the roadway have a striped bicycle lanes?	No
<b>Proposed Roadway Characteristics and Improvements</b>		
<b>9. Proposed Functional Classification</b>	Please select the federal functional classification of the roadway	Major Collector
	<a href="#">Link to Functional Classification Maps</a>	
<b>10. Proposed Typical Cross Section</b>	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	(Attach cross section diagram that depicts the lane configuration, shoulders, the median, bicycle lanes, sidewalks, access control features such as barriers and adjoining features such as canals. Widths of features should be included and type of paving should be indicated)
	Number of Through Lanes on the improved roadway (Both directions)	2

<b>Apache Junction - Idaho Road North from Tepee to McKellips Roadway Segment Sheet</b>		
<b>11. Access Control Improvements</b>	Please describe access control issues and proposed improvements	There are no access control issues.

<b>Apache Junction - Idaho Road North from Tepee to McKellips Roadway Segment Sheet</b>		
<b>12. Alignment Improvements</b>	Describe horizontal alignment issues and proposed improvements	There are no horizontal alignment issues.
	Describe vertical alignment and proposed improvements	There are no vertical alignment issues.
<b>13. Drainage Improvements</b>	Describe drainage issues and proposed improvements	There are no drainage issues.
<b>14. Bridge improvements (Required for bridge projects only)</b>	Describe Bridge issues and proposed Improvements	Not applicable
<b>15. Pavement Improvements</b>	Proposed Pavement Type	Asphaltic Concrete
	Describe the current condition of the pavement and proposed improvements	The City of Apache Junction proposes to clear and grade the existing roadway than install new class 2 aggregate base with asphalt pavement. The current pavement has a remaining service life rating of 3 with severe pavement distress existing throughout the road segment. Existing conditions include moderate to severe alligator cracking and rutting with pavement base showing. Cracks continue to expand throughout the extent of the roadway segment.
<b>16. Traffic Improvements</b>	Describe traffic issues and proposed Improvements	Traffic issues primarily are a result of morning and afternoon school activity. The roadway gets congested and parents park in unsafe areas with children crossing Idaho Road.
<b>17. Safety Improvements</b>	Describe safety issues and proposed Improvements	Safety improvements include: pavement markings, street names signs, centerline rumble strips, all-way stop control, center turn lane on a 3 lane road, pavement friction, and wet reflective pavement parkings.
<b>18. Multimodal Improvements</b>	Describe multimodal issues and proposed Improvements	There are gaps in sidewalks and no bike lanes in this area. Multimodal improvements are being proposed under the City of Apache Junction's CMAQ application.
<b>Environmental, Right-of-way and Other Considerations</b>		
<b>19. Environmental</b>	Please describe environmental impacts or challenges of the project - .e.g. endanger species, cultural assets, hazardous materials sites, 4Fs, Title VI populations, wet lands that would be affected by the project.	The proposed project will take place on the City of Apache Junction's right of way in a previously developed area. All environmental concerns would have been addressed during the original construction of Idaho Road. As a result, there are no current known environmental concerns for this project.
<b>20. Right-of-way</b>	Please describe right-of-way issues - e.g. whether right-of-way will be required, how much right-of-way will be required, if right-of-way is needed are actors such as the State Lands Department be involved, etc.	All work will take place within the city of Apache Junction's existing right of way.
<b>21. Development Activity</b>	Please describe planned and ongoing development activity that could impact the proposed project	There are no current or proposed development plans for this area.

<b>Apache Junction - Idaho Road North from Teepee to McKellips Roadway Segment Sheet</b>		
<b>22. Utilities</b>	Please describe utilities that could impact the proposed project	The City of Apache Junction does not own or operate any utilities. However close coordination with these entities are managed with many city projects. There are no known utility concerns for this project.

<b>Apache Junction - Idaho Road North from Tepee to McKellips Safety Counter Measures Sheet</b>	
<b>Instructions</b>	1. This sheet only required for all projects. 2. Please enter a 'Yes' or 'No' to each safety feature that is included in the project.
1. "Stop Ahead" pavement markings	Yes
2. "Vehicles Entering When Flashing" (VEWF) system (advance post mounted signs on major and loops on minor)	No
3. 12 inch signal heads all faces all directions	No
4. Actuated advance warning dilemma zone protection system	No
5. 3-inch yellow retroreflective sheeting to signal backplates	Yes
6. Advance street name signs	Yes
7. All red clearance interval new or existing signals	No
8. All-way stop control (with flashing beacons)	No
9. All-way stop control (without flashing beacons)	Yes
10. Centerline rumble strips	Yes
11. Composite shoulders (5 feet minimum) on rural two lane roads	Yes
12. Three-lane roadways with center turn lane	Yes
13. Flashing lights and sound signals at Railroad grade crossings	No
14. Gates with signs at railroad at grade crossings	No
15. Improve 2 lane roadway to 4 lane divided roadway	No
16. Improvements that include reducing 11 feet lanes to 9 feet	No
17. Install a traffic signal (engineering study demonstrates meeting MUTCD Warrant 7)	No
18. Install dynamic signal warning flashers	No
19. Install dynamic speed feedback sign at high speed crash curve sites with identified speeding problems	No
20. Install intersection conflict warning systems (ICWS) for four-lane at two-lane intersections	No
21. Install intersection conflict warning systems (ICWS) for two-lane at two-lane intersections	No
22. Install shoulder rumble strips	No
23. Install wide edgelines (6 in min)	Yes
24. Intersection conflict warning system (ICWS) with a combination of overhead and advanced post mounted signs (various messages) and flashers	No
25. Intersection conflict warning system (ICWS) with overhead signs (various messages) and flashers at the intersection on minor; loop on major	No

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<b>Instructions</b>	1. This sheet only required for all projects. 2. Please enter a 'Yes' or 'No' to each safety feature that is included in the project.
26. Intersection conflict warning system (ICWS) with post mounted signs (various messages) and flashers in advance of the intersection on major; loop on minor	No
27. Modern roundabout where a signalized intersection exists	No
28. Modify zero or negative left-turn lane offset to create positive offset	Yes
29. New left-turn lanes with positive offset	No
30. Pavement friction (Microsurfacing, Open Graded Friction Course, High Friction Surfacing)	Yes
31. Pedestrian hybrid beacon (PHB or HAWK)	No
32. Positive offset left-turn lanes on both major road approaches	Yes
33. Protected only left-turn signal equipment	No
34. Protected-permissive left-turn signal equipment	No
35. Raised median	No
36. Right-turn lane geometry with increased line of sight	Yes
37. Roundabout at a high-speed 3 or 4 leg rural intersection	no
38. Rural two lane roads with TWLTL (two-way left turn lanes)	Yes
39. Safety edge treatment on rural highways	No
40. Single- or multi-lane roundabout at a two-way stop-controlled intersection	No
41. Single- or multi-lane roundabout at existing signalized intersection	No
42. Two-way stop control at uncontrolled neighborhood intersections	No
43. Urban two lane road with TWLTL (two-way left turn lane)	No
44. Wet-reflective pavement markings	Yes

## Apache Junction - Idaho Road North from Teepee to McKellips MAG PINAL AREA STP PROJECTS COST ESTIMATE WORKSHEET (Cost Estimates Are Required)

**Instructions**  
 1. Cost estimates from this sheet transfer directly to the budget estimate  
 2. Please select "Yes" if the item will be programmed in a federally funded work phase

	ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	PROGRAMMED WITH FEDERAL FUNDS	FEDERAL SHARE	LOCAL SHARE
<b>PRELIMINARY ENGINEERING</b> <i>(Required for Budget)</i>	Topographic Survey	LS	1	\$ 20,000.00	\$ 20,000.00	No	\$ -	\$ 20,000.00
	Design Concept Report (DCR)	LS	1	\$ 15,000.00	\$ 15,000.00	No	\$ -	\$ 15,000.00
	Federal Project Environmental Determination	LS	1	\$ 20,000.00	\$ 20,000.00	No	\$ -	\$ 20,000.00
	HAZMAT Assessment	LS	1	\$ 10,000.00	\$ 10,000.00	No	\$ -	\$ 10,000.00
	<b>SUBTOTAL – PRELIMINARY ENGINEERING COSTS</b>					<b>\$ 65,000.00</b>		<b>\$ -</b>
<b>FINAL DESIGN</b> <i>(Required for Budget)</i>	Plans, Specifications, Cost Estimates, Bidding	LS	1	\$ 150,000.00	\$ 150,000.00	No	\$ -	\$ 150,000.00
	Geotechnical Report	LS	1	\$ 10,000.00	\$ 10,000.00	No	\$ -	\$ 10,000.00
	Drainage Report	LS	1	\$ 10,000.00	\$ 10,000.00	No	\$ -	\$ 10,000.00
	SWPPP	LS	1	\$ 8,000.00	\$ 8,000.00	No	\$ -	\$ 8,000.00
	<b>SUBTOTAL – FINAL DESIGN COSTS</b>					<b>\$ 178,000.00</b>		<b>\$ -</b>
<b>RIGHT OF WAY</b> <i>(Required for Budget, May be 0 if now ROW)</i>	Appraisals and Title Reports	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Road Right of Way	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Temporary Construction Easements	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Drainage Easement	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Utility Easements/Right of Way	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Aerial Electrical Easement	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Sign Relocations	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Relocation Expenses	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Site Environmental Assessments	EA	1	\$ -	\$ -	No	\$ -	\$ -
	Building Demolition	EA	1	\$ -	\$ -	No	\$ -	\$ -
	Other Right of Way Expenses				\$ -	No	\$ -	\$ -
	Other Right of Way Expenses				\$ -	No	\$ -	\$ -
	Other Right of Way Expenses	EA	1	\$ -	\$ -	No	\$ -	\$ -
	<b>SUBTOTAL – RIGHT OF WAY COSTS</b>					<b>\$ -</b>		<b>\$ -</b>
<b>UTILITY RELOCATIONS</b> <i>(Required for Budget, May be 0 if now Utilities)</i>	Relocate 69 kv (+) Poles	EA	1	\$ -	\$ -	No	\$ -	\$ -
	Relocate/Underground 12 kv lines	LF		\$ -	\$ -	No	\$ -	\$ -
	Relocate/Underground Irrigation Canal	LF		\$ -	\$ -	No	\$ -	\$ -
	SWG Relocations	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Telephone/Cable TV Relocations	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Upgrade Railroad Crossings	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Other Utilities	LS	1	\$ -	\$ -	No	\$ -	\$ -
	Other Utilities	LS	1	\$ -	\$ -	No	\$ -	\$ -
<b>SUBTOTAL – UTILITY RELOCATION COSTS</b>					<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>
<b>CONSTRUCTION</b> <i>(Required for Budget)</i>	Contractor Mobilization	LS	1	\$ 52,657.08	\$ 52,657.08	Yes	\$ 49,655.63	\$ 3,001.45
	HAZMAT Abatement	LS	1	\$ -	\$ -	Yes	\$ -	\$ -
	Construction Survey and Layout	LS	1	\$ 31,594.25	\$ 31,594.25	Yes	\$ 29,793.38	\$ 1,800.87
	Temporary Traffic Control	LS	1	\$ 84,251.32	\$ 84,251.32	Yes	\$ 79,448.99	\$ 4,802.33
	Remove Existing Improvements	LS	1	\$ -	\$ -	Yes	\$ -	\$ -
	Remove Curb and Gutter	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Remove Pavement	SY	27,373	\$ 3.00	\$ 82,119.00	Yes	\$ 77,438.22	\$ 4,680.78
	Remove Driveway	SF		\$ -	\$ -	Yes	\$ -	\$ -
	Remove Concrete Sidewalks, Slabs	SF		\$ -	\$ -	Yes	\$ -	\$ -
	General Excavation	LS	1	\$ -	\$ -	Yes	\$ -	\$ -
	Drainage Excavation	LS	1	\$ -	\$ -	Yes	\$ -	\$ -
	Backfill/Borrow Material	LS	1	\$ -	\$ -	Yes	\$ -	\$ -
	AC Pavement including ABC Base	SY	29,654	\$ 30.00	\$ 889,622.50	Yes	\$ 838,914.02	\$ 50,708.48
	Concrete Pavement including ABC Base	SY		\$ -	\$ -	Yes	\$ -	\$ -
	AC Mill and Overlay	SY		\$ -	\$ -	Yes	\$ -	\$ -
	Curb and Gutter	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Aggregate Base	SY		\$ -	\$ -	Yes	\$ -	\$ -
	Concrete Driveways	SF		\$ -	\$ -	Yes	\$ -	\$ -
	Colored Concrete	SF		\$ -	\$ -	Yes	\$ -	\$ -
	Concrete Pavers	SF		\$ -	\$ -	Yes	\$ -	\$ -
	Stamped Asphalt	SF		\$ -	\$ -	Yes	\$ -	\$ -
	Stamped Concrete	SF		\$ -	\$ -	Yes	\$ -	\$ -
	Concrete Sidewalk	SF		\$ -	\$ -	Yes	\$ -	\$ -
	Pedestrian ADA Ramps	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Bus Bay	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Bus Shelters	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Irrigation Pipeline	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Irrigation Canal relocation	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Irrigation Canal Culvert/Bridge Crossing	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Decorative Screen Walls	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Retaining Wall	SF		\$ -	\$ -	Yes	\$ -	\$ -
	Electrical Service Connection	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Joint Trench Conduit, including City Spare	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Traffic Signal Intertie	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Traffic Signal	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Temporary Traffic Signal	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Traffic Signage and Markings	LS	1	\$ 21,000.00	\$ 21,000.00	Yes	\$ 19,803.00	\$ 1,197.00
	Street Lighting including conduit and trenching	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Pedestrian Lighting including conduit and trenching	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Handrail	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Utility Protection and Adjustments	LS	1	\$ -	\$ -	Yes	\$ -	\$ -
	Adjust Water Valve	EA	12	\$ 400.00	\$ 4,800.00	Yes	\$ 4,526.40	\$ 273.60
	Relocate Fire Hydrant	EA	2	\$ 2,500.00	\$ 5,000.00	Yes	\$ 4,715.00	\$ 285.00
	Adjusted Manholes	EA	7	\$ 7,000.00	\$ 49,000.00	Yes	\$ 46,207.00	\$ 2,793.00
	Drainage Catch basins and Scuppers	EA		\$ -	\$ -	Yes	\$ -	\$ -
	Storm Drain 48"	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Storm Drain 36"	LF		\$ -	\$ -	Yes	\$ -	\$ -
	Storm Drain 24"	LF		\$ -	\$ -	Yes	\$ -	\$ -
Storm Drain 18"	LF		\$ -	\$ -	Yes	\$ -	\$ -	
New Waterline 8"	LF		\$ -	\$ -	Yes	\$ -	\$ -	
New Waterline 12"	LF		\$ -	\$ -	Yes	\$ -	\$ -	

**Apache Junction - Idaho Road North from Teepee to McKellips  
MAG PINAL AREA STP PROJECTS COST ESTIMATE WORKSHEET  
(Cost Estimates Are Required)**

**Instructions**  
 1. Cost estimates from this sheet transfer directly to the budget estimate  
 2. Please select "Yes" if the item will be programmed in a federally funded work phase

ITEM DESCRIPTION	UNIT	TOTAL QUAN.	UNIT PRICE	TOTAL COST	PROGRAMMED WITH FEDERAL FUNDS	FEDERAL SHARE	LOCAL SHARE
New Waterline 16"	LF			\$ -	Yes	\$ -	\$ -
New Sanitary Sewer 8"	LF			\$ -	Yes	\$ -	\$ -
New Sanitary Sewer 12"	LF			\$ -	Yes	\$ -	\$ -
Trees (36" box)	EA			\$ -	Yes	\$ -	\$ -
Tree Grates	EA			\$ -	Yes	\$ -	\$ -
Trees (24" box)	EA			\$ -	Yes	\$ -	\$ -
Shrubs (5 gallon)	EA			\$ -	Yes	\$ -	\$ -
Shrubs (1 gallon)	EA			\$ -	Yes	\$ -	\$ -
Cactus (5 gallon)	EA			\$ -	Yes	\$ -	\$ -
Decomposed Granite	SY			\$ -	Yes	\$ -	\$ -
Topsoil	SY			\$ -	Yes	\$ -	\$ -
Seeding	Acre			\$ -	Yes	\$ -	\$ -
Sod	SY			\$ -	Yes	\$ -	\$ -
Boulders	EA			\$ -	Yes	\$ -	\$ -
Irrigation System - Drip	LS	1		\$ -	Yes	\$ -	\$ -
Irrigation System - Turf	LS	1		\$ -	Yes	\$ -	\$ -
Irrigation Booster Pump	EA			\$ -	Yes	\$ -	\$ -
Landscape Header Curb	LF			\$ -	Yes	\$ -	\$ -
Landscape Establishment	LS	1		\$ -	Yes	\$ -	\$ -
Benches/Seatwalls	EA			\$ -	Yes	\$ -	\$ -
Bike Racks	EA			\$ -	Yes	\$ -	\$ -
Trash Receptacles	EA			\$ -	Yes	\$ -	\$ -
Drinking Fountains	EA			\$ -	Yes	\$ -	\$ -
Survey marker, MAG 120-1 Type B	EA	8	\$ 200.00	\$ 1,600.00	Yes	\$ 1,508.80	\$ 91.20
Place for entering an additional item #2				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #3				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #4				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #5				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #6				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #7				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #8				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #9				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #10				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #11				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #12				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #13				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #14				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #15		1		\$ -	Yes	\$ -	\$ -
Place for entering an additional item #16				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #17				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #18				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #19				\$ -	Yes	\$ -	\$ -
Place for entering an additional item #20		1		\$ -	Yes	\$ -	\$ -
<b>SUBTOTAL - CONSTRUCTION COST</b>				\$ 1,221,644.15		\$ 1,152,010.43	\$ 69,633.72
<b>CONTINGENCY</b>			15%	\$ 183,246.62	Yes	\$ 172,801.57	\$ 10,445.06
<b>ADOTCONSTRUCTION</b>			15%	\$ 183,246.62	Yes	\$ 172,801.57	\$ 10,445.06
<b>SUBTOTAL - CONSTRUCTION COST</b>				\$ 1,588,137.40		\$ 1,497,613.56	\$ 90,523.83
<b>SUMMARY</b>							
PRELIMINARY ENGINEERING				\$ 65,000.00	NA	\$ -	\$ 65,000.00
FINAL DESIGN - Stages II, III, IV and PS&E				\$ 178,000.00	NA	\$ -	\$ 178,000.00
RIGHT OF WAY ACQUISITION				\$ -	NA	\$ -	\$ -
UTILITY RELOCATIONS				\$ -	NA	\$ -	\$ -
CONSTRUCTION (Including ADOT Construction Administration)				\$ 1,588,137.40	NA	\$ 1,497,613.56	\$ 90,523.83
SUBTOTAL - PROJECT COST				\$ 1,831,137.40	NA	\$ 1,497,613.56	\$ 333,523.83
ADOT REVIEW FEES (\$10,000 for Certification Accepted agencies, \$30,000 for all other agencies)				\$ 54,934.00	No	\$ -	\$ 54,934.00
<b>PROJECT TOALS (Including ADOT Review Fees)</b>				\$ 1,886,071.40	NA	\$ 1,497,613.56	\$ 388,457.83

**Apache Junction - Idaho Road North from Tepee to McKellips  
Budget and Signature**

**Instructions**

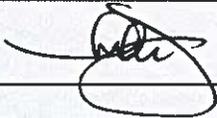
1. This sheet is required for all projects
2. All work phases regardless of funding source must be included in the proposed programming.
3. The signature part of this page must be signed with the printed application sent to MAG

1. Project Budget	Preliminary Engineering and Final Design	243,000	Optional: Notes				
	Right of way		Optional: Notes				
	Utilities		Optional: Notes				
	Construction	1,588,137	Optional: Notes				
	Total Cost w/o ADOT Review Fee	1,831,137					
	ADOT Review Fee	54,934	Assumes the ADOT design fee is 3 percent of project cost or \$30,000, which ever is the higher amount.				
	Total Cost	1,886,072					
2. Agency CIP	Please describe the agency programming in its CIP						
3. Proposed Programming	Work Phase	Year to be Programmed/1	Funding Source	Federal Amount/2	Local Amount	Total	Local Share/3
	PE/Design	2019	None	-	243,000	243,000	100%
	ADOT review fee	2021	STP-MAG	-	54,934	54,934	100%
	Construction	2021	STP-MAG	1,270,000	318,138	1,588,138	20%
	None	None	None	-	-	-	0%
	None	None	None	-	-	-	0%
	Total			1,270,000	616,072	1,886,072	
	Notes:	1. Federal funds are available only for 2018 and 2020		2. In 2018, \$350,000 is available; in 2020, \$1,270,000 is available.		3. The minimum local share is 5.7%	

**Signature: To be signed with printed hard copy that is sent to MAG**

As the jurisdiction's manager/administrator or designated representative, I certify that the information contained in this application is accurate and complete and that the local funds for this project will be included in the sponsoring MAG member agency's local current CIP/TIP or budget document if the project is selected for federal funding.

Signature:



Name: Mike Wever

Title: Public Works Direct

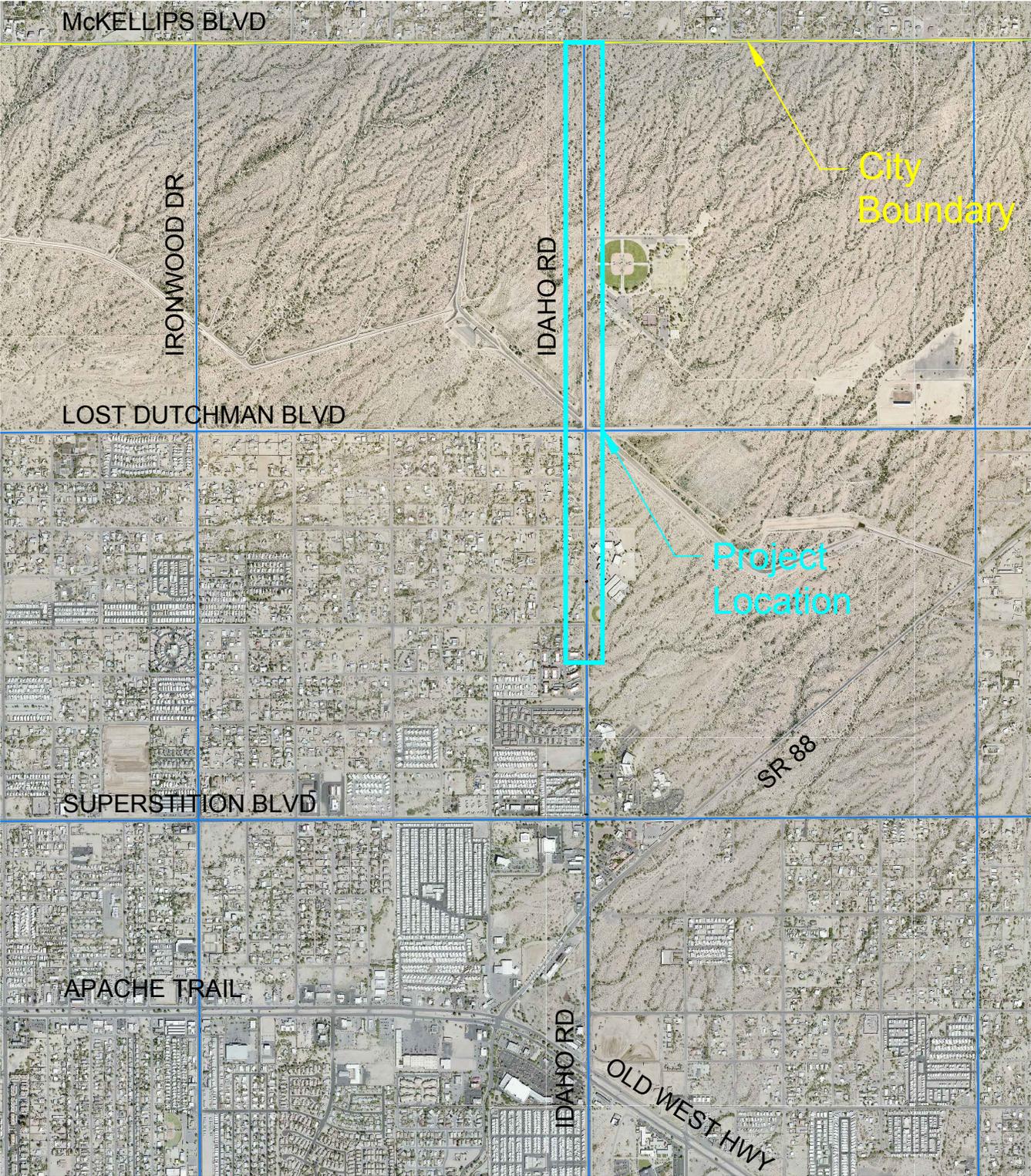
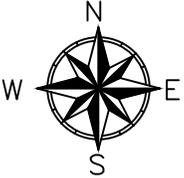
Date: 9/21/17

<b>Apache Junction - Idaho Road North from Tepee to McKellips Checklist (Optional)</b>		
<b>Instructions</b>	1. This page must be submitted with the printed copy of the application 2. It must be signed by the jurisdiction's manage/administer or designated representative 3. The checklist at the bottom of the sheet is optional	
Category	Data Item	Item Enter (Yes/No)
<b>Project Page</b>		
1. Project Sponsorship	Project Sponsor Name	Yes
	Other Participating Agencies	Yes
2. Project Location	Identify the Project Location (50 Char Limit)	Yes
	Attach a map depicting the project.	Yes
	Attach a vicinity map of the project	Yes
3. Project Work Description	Provide a short work description (50 char limit)	Yes
	Overview - please describe the work to be performed, its benefits and costs	Yes
4. Proximity to the Nearest Employment and Commercial Center	Employment Center	
	Name of Nearest Employment Center	Yes
	Approximate Number of Employees at the center	Yes
	Distance to the project	Yes
	Commercial Center	
	Name of Nearest Commercial Center	Yes
	Approximate Square Footage of the Commercial Center	Yes
	Distance to the project	Yes
5. Regional Connectivity	Connectivity	Yes
	If the check box above is checked, briefly discuss how the project improves regional/multijurisdictional connectivity	Yes
6. Agency Plans	Included in Agency Plans	Yes
	If the check box above is checked, briefly discuss jurisdiction General/Transportation Pan and the role of the project in the plan.	Yes
7. Community Involvement	Is the project a community request	Yes
<b>Roadway Page(s) - Check all roadway pages submitted for funding</b>		
1. Roadway Location	Roadway Name	Yes
	Starting Limit	Yes
	Ending Limit	Yes
	Length (to nearest 10th of a mile)	Yes
2. Federal Functional Classification	Please select the federal functional classification of the roadway	Yes
3. Current Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	Yes
	Attach a photo(s) of the current roadway	Yes
	Number of Through Lanes (Both directions)	Yes
4. Bridge Condition (Required only for bridge projects)	Bridge Sufficiency Rating (from ADOT NBI Table)	Yes
	Bridge Status (from ADOT NBI Table)	Yes
5. Pavement Condition	Pavement Type	Yes
	Pavement Rating	Yes
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	Yes
	Rating system scale - please describe the scale used in the rating system - e.g. it ranges from 1 to 100 with 100 being the best condition.	Yes
	Date of Rating	Yes
6. Traffic	Rating	Yes
	Traffic Count	
	Please describe how the count was collected	Yes
	Date of Count	Yes
	AADT	Yes
	K-Factor - Percent of traffic in the peak hour	Yes
	D-Factor - Percent of design hour volume flowing in the peak hour direction	Yes
Number of lanes in the Peak Hour Direction	Yes	
7. Safety	Posted Speed Limit (mph)	Yes
	Peak Hour Speed (mph)	Yes
	Name and limits for crash data.	Yes
	Number of fatality crashes	Yes
	Number of incapacitating crashes	Yes
	Number of non incapacitating crashes	Yes
	Number of possible injury crashes	Yes
	Number of property damage only crashes	Yes
8. Multimodal	Multimodal characteristics (check all that apply)	Yes
9. Proposed Functional Classification	Please select the federal functional classification of the roadway	Yes
10. Proposed Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	Yes
	Number of Through Lanes on the improved roadway (Both directions)	Yes
11. Access Control Improvements	Please describe access control issues and proposed improvements	Yes

<b>Apache Junction - Idaho Road North from Tepee to McKellips Checklist (Optional)</b>		
12. Alignment Improvements	Describe horizontal alignment issues and proposed improvements	Yes
	Describe vertical alignment and proposed improvements	Yes
13. Drainage Improvements	Describe drainage issues and proposed improvements	Yes
14. Bridge improvements (Required for bridge projects only)	Describe Bridge issues and proposed Improvements	Yes
15. Pavement Improvements	Proposed Pavement Type	Yes
	Describe the current condition of the pavement and proposed improvements	Yes
16. Traffic Improvements	Describe traffic issues and proposed Improvements	Yes
17. Safety Improvements	Describe safety issues and proposed Improvements	Yes
18. Multimodal Improvements	Describe multimodal issues and proposed Improvements	Yes
19. Environmental	Please describe environmental impacts or challenges of the project - .e.g. endanger species, cultural assets, hazardous materials sites, 4Fs, Title VI populations, wet lands that would be affected by the project.	Yes
20. Right-of-way	Please describe right-of-way issues - e.g. whether right-of-way will be required, how much right-of-way will be required, if right-of-way is needed are actors such as the State Lands Department be involved, etc.	Yes
21. Development Activity	Please describe planned and ongoing development activity that could impact the proposed projec	Yes
22. Utilities	Please describe utilities that could impact the proposed project	Yes
<b>Intersection Page(s) - Check all intersection pages submitted for funding</b>		
1. Intersection Location	Roadway Name A	
	Roadway Name B	
2. Federal Functional Classification	Federal Functional Classification of Roadway A	
	Federal Functional Classification of Roadway B	
4. Current Intersection Configuration	Attach an intersection diagram	
	Attach a photo(s) of the current intersection	
	Number of through lanes	
	Roadway A	
	Roadway B	
5. Pavement Condition	Pavement Type	
	Pavement Rating	
	Name or Description of Rating System Used - e.g. PCI, PSR, etc..	
	Rating system scale - please describe the scale used in the rating system - e.g. it ranges from 1 to 100 with 100 being the best condition.	
	Date of Rating	
	Rating	
6. Traffic	Traffic Volume in the Peak Hour by approach	
	Approach 1 traffic volume	
	Approach 2 traffic volume	
	Approach 3 traffic volume	
	Approach 4 traffic volume	
7. Safety	Name and limits for crash data.	
	Number of fatality crashes	
	Number of incapacitating crashes	
	Number of non incapacitating crashes	
	Number of possible injury crashes	
	Number of property damage only crashes	
8. Multimodal	Multimodal characteristics (check all that apply)	
9. Federal Functional Classification	Federal Functional Classification of Roadway A	
	Federal Functional Classification of Roadway B	
10. Proposed Typical Cross Section	Attach a cross section diagram that details a typical cross section of the roadway to be improved.	
11. Access Control Improvements	Please describe access control issues and proposed improvements	
12. Pavement Improvements	Proposed Pavement Type	
	Describe pavement issues and proposed Improvements	
13. Traffic Improvements	Traffic Congestion	
	Describe traffic issues and proposed Improvements	
14. Safety Improvements	Safety Impacts	
	Describe safety issues and proposed Improvements	
15. Multimodal Improvements	Describe multimodal issues and proposed Improvements	
16. Environmental	Please describe environmental impacts or challenges of the project - .e.g. endanger species, cultural assets, hazardous materials sites that would be affected by the project.	
17. Right-of-way	Please describe right-of-way issues - e.g. whether right-of-way will be required, actors such as the State Lands Department will be involved, etc.	
18. Development Activity	Please describe planned and ongoing development activity that could impact the proposed projec	
19. Utilities	Please describe utilities that could impact the proposed project	
<b>Safety Counter Measures Shee</b>		
Safety Counter Measures	Measures 1-44 Completed	Yes

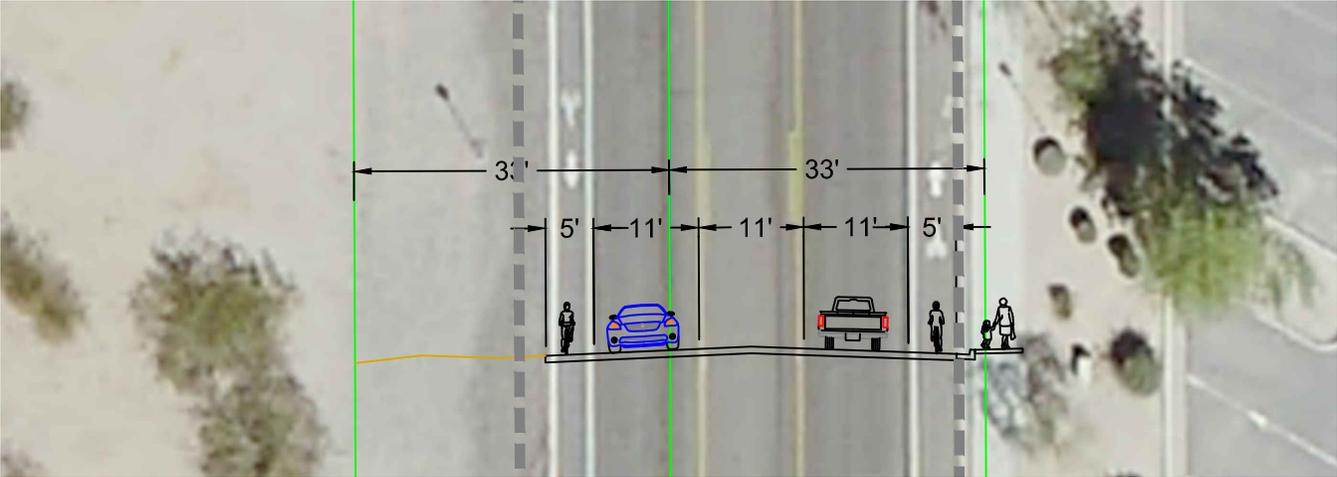
<b>Apache Junction - Idaho Road North from Tepee to McKellips Checklist (Optional)</b>		
<b>Cost estimate Work Sheet</b>		
Preliminary Engineering Cost Estimate entered		Yes
Final Design Cost Estimate entered		Yes
ROW Cost Estimate entered (This may be zero if there is now ROW to be acquired)		Yes
Utilities Cost Estimate entered (This may be zero if there is now Utilities)		Yes
Construction Cost Estimate entered		Yes
<b>Budget Page</b>		
2. Agency CIP	Please describe the agency programming in its CIP	Yes
3. Proposed Programming	Work Phase	Yes
	Year to be Programmed	Yes
	Funding Source	Yes
	Federal Amount	Yes
	Local Amount	Yes
	Work Phase	Yes
	Year to be Programmed	Yes
	Funding Source	Yes
	Federal Amount	Yes
	Local Amount	Yes
	Work Phase	Yes
	Year to be Programmed	Yes
	Funding Source	Yes
	Federal Amount	Yes
	Local Amount	Yes
	Work Phase	Yes
	Year to be Programmed	Yes
	Funding Source	Yes
	Federal Amount	Yes
	Local Amount	Yes
Signature Area	Signature	Yes
	Name	Yes
	Title	Yes
	Date	Yes

# PROJECT LOCATION MAP

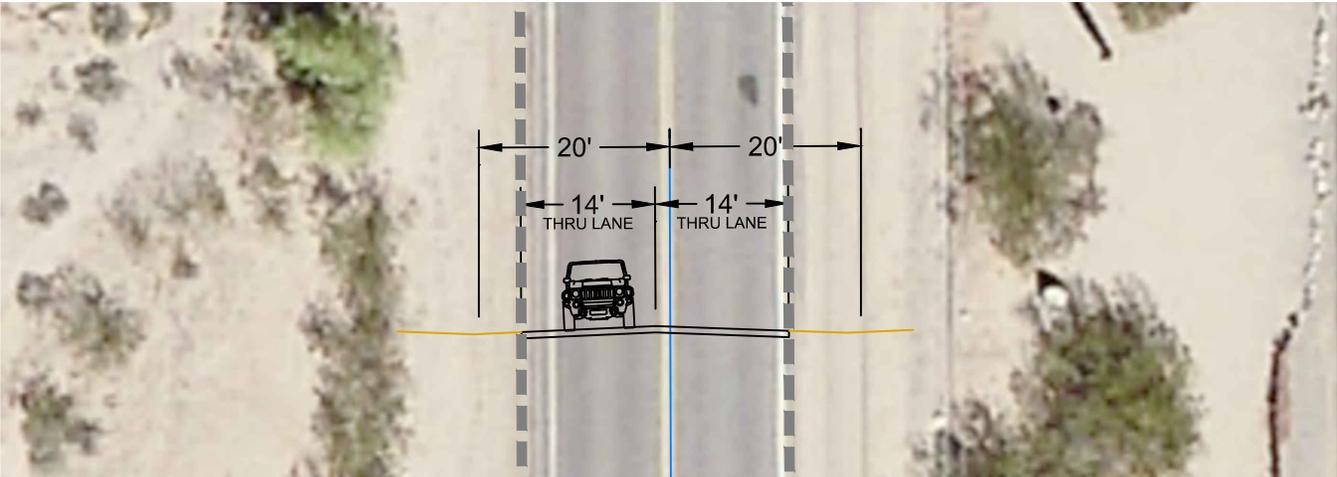




# EXISTING CROSS SECTIONS



Idaho Road from Tepee Street to Foothills Street  
Existing Conditions: 3-11' Lanes and 2-5' Bicycle Lanes



Idaho Road from Foothills Street to McKellips Boulevard  
Existing Conditions: 2-14' Lanes







