MEETING 2 NOTES



Intelligent Transportation Systems (ITS) Steering Committee Monday, March 29, 2021 1:30-3:00 PM Virtual meeting hosted in Parks and Recreation Administration Building 1141 Massachusetts St

	Agency	Stakeholder		Agency	Stakeholder			
	FTA	Eva Steinman	Х		Nick Hoyt			
Х	FHWA	David LaRoche	Х		Dustin Smith			
х	KDOT	Michael Flory, Taylor McHenry, Garry Olson, Mike Floberg	x	Lawrence	Caleb Pettengill			
	KTA	David Jacobsen	Х		Micah Seybold			
Х	KC Scout	Randy Johnson	Х		Rob Neff			
	Baldwin City	Ed Courton			Kevin Fussell			
	Eudora	Branden Boyd	Х	Douglas County	Chad Voigt			
			Х	Lawrence Transit	Adam Weigel			
			Х	KU On Wheels	Aaron Quisenberry			
	Staff			Public				
Х	L-DC MPO	Jessica Mortinger	Х	Heather Thies	Cottonwood Inc.			
Х	L-DC MPO	Ashley Bryers						
Х	L-DC MPO	Sarah Buford						
	L-DC MPO	Ari Leyva						

1. Zoom Meeting Preamble (1:30 pm)

- 2. Introductions Introductions were made.
- 3. Public Comment No public comments were given.
- 4. Kickoff Meeting Notes (Discussion) Meeting notes were found satisfactory.
- **5. Plan Update Process (Discussion)** Staff agreed on the Intelligent Transportation System (ITS) Plan Update timeline.

Task	March 4 @ 1:30 - 3:00	March 29 @ 1:30 - 3:00	April 13 @ 10:30 - Noon	April 26 @ 1:30 - 3:00	May	June
Development						
Steering Committee	Kickoff	Meeting 2	Meeting 3	Meeting 4		
Meeting Topic	Overview, Discuss ITS needs, & Verify goals (T2040 & ITS)	Discuss projects (new & old)	Discuss timeline, priorities & necessary agreements	Review draft plan		
Homework	Review & comment on ITS needs & Review existing projects for Meeting 2	Provide any further comments on projects	Review & comment on necessary agreements	Review & comment on draft plan		
Review						
15-day public comment period					Anticipated - May 6 - May 21*	
Document public comments & make necessary edits					х	
TAC/MPO Policy Board consideration of ITS Plan						Anticipated - June 1 & June 17*
Pending Policy Board approval post online and send to KDOT, FHWA, and FTA						х

Intelligent Transportation System (ITS) Plan Update

* Anticipated dates. The final dates depend on how the planning process advances.

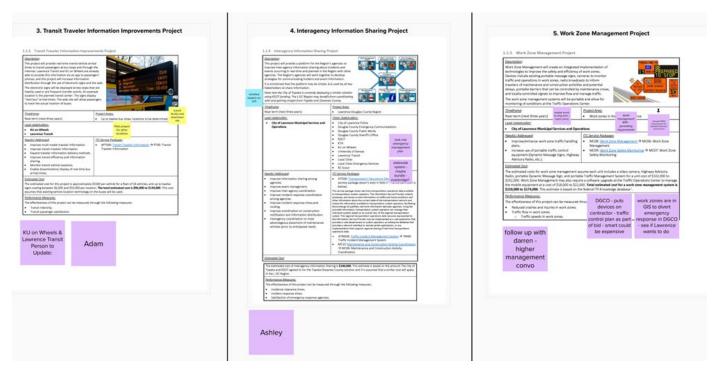
** Public participation process includes: Newspaper advertisement, email to subscription list, place document online and at public locations -Baldwin City Public Library, Eudora City Hall, Lawrence Public Library, Lecompton City Hall, and MPO Office, send to TAC and Policy Board for review

6. Existing and new ITS Projects (Discussion) - Staff used Mural during the meeting to add changes and updates to current projects. Staff designated stakeholders responsible for finishing updates on each project before the next meeting.

A. Existing Projects, Signal Coordination and Control Expansion, and Camera Deployment and Image Sharing Project

A Specific Control and Control Specific Second Party Second P	1.1.1 Signal Coordination and Central Contaction The project will expect the use of signal coordination Controller of the optic material and a function contactions for signal and a function interactions through control at the Traffic Op- material and the optic of the optic of the traffic Op- tic opt	Expansion Intel Departments in the Chy of Learners. The Chy of Learners in the Chy of Learn	A constraint of constraint of constraint the series of the constraint of constraint c
2. A cancer by lang 9.6.000 2. A cancer by lang 9.6.000 3. Handbard Indensity	Execution: The second process of the sec of signal cross the second process of the second second second second convected interactions. For a static of a static second second second second second second second second second second second second second second second second second seco	Expansion here Departed Lawrence. The Org is therefore the particular in the Org of Lawrence. The Org is therefore the state of the org of the there is the state of the org of the state of the there is the state of the org of the state	A series of the
2. A cancer by lang 9.6.000 2. A cancer by lang 9.6.000 3. Handbard Indensity	Execution: The second process of the sec of signal cross the second process of the second second second second convected interactions. For a static of a static second second second second second second second second second second second second second second second second second seco	Expansion here Departed Lawrence. The Org is therefore the particular in the Org of Lawrence. The Org is therefore the state of the org of the there is the state of the org of the state of the there is the state of the org of the state	1.1.2 Contrast Deployment and Image Sharing Project Contrasting Contrast Deployment and Image Sharing Project Contrast Deployment And Project Contrast Deploymen
A Town Therater information temporanem 94,000 to 32 B Town Therater information temporanem 94,000 to 52 B Town Therater information temporanem 94,000 to 52 B Town Therater information temporanem 94,000 to 52,000,000 B Town Therater information temporanem 94,000 to 52,000,000 B Town Therater information temporanem 96,000 to 52,000,000 B Town Therater information temporane	Execution: The second process of the sec of signal cross the second process of the second second second second convected interactions. For a static of a static second second second second second second second second second second second second second second second second second seco	Expansion Prog	Exercisize Response research upon the Tarlie Signal Control Construction Dependent Project by edding the new cance the Crick analasis in anyience Tarlies Anage. In a state of the of Lawares Tarlie Operation Control Cont
Instrume A issuages plannation barry of the state of the	Execution: The second process of the sec of signal cross the second process of the second second second second convected interactions. For a static of a static second second second second second second second second second second second second second second second second second seco	Inside in tradition in the Chy of Leavers. The Chy is set having more hierarchices and provide contrains to the Tariffor inside the Chy of the Chy of Leavers. The Chy is set having a set of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the chy of the Chy of the Chy of the Chy of the Chy	Exercisize Response research upon the Tarlie Signal Control Construction Dependent Project by edding the new cance the Crick analasis in anyience Tarlies Anage. In a state of the of Lawares Tarlie Operation Control Cont
5. Invib Joine Management 51.00.001 b; 1 6. Joine Management 50.0000 b; 20.0000 6. Rest and inclusion Regarding #File 56.0000 b; 20.0000 7. Communication Regarding #File 56.0000 b; 20.0000 8. Rest and inclusion Regarding #File 560.0000 b; 20.0000 10. Laurence Turonit Signal (Party) 560.0000 b; 10.0000 10. Laurence Turonit Signal (Party) 560.0000 10. Laurence Turonit (Party) 550.0000 10. Laurence Turonit (Party) 550.0000 10. Laurence Turonit (Party) <td>The project will respect the use of sign care of sign car</td> <td>est harden more hiersections and resources the the Taffer investment the section of an end of the section of an end of the restors Cerer.</td> <td>This project equands again that findle Signal Control Contribution Equation Project by adding the new cand the Control association for the section of the section of the section of the section of the section of the section of the section of the section of the section of the first of the section of the section of the section of the section of the first of the section of the section of the section of the section of the first of the section of the large the section of the section of the section of the section of the large the section of the section of the section of the section of the large the section of the section of the section of the section of the large the section of th</td>	The project will respect the use of sign care of sign car	est harden more hiersections and resources the the Taffer investment the section of an end of the section of an end of the restors Cerer.	This project equands again that findle Signal Control Contribution Equation Project by adding the new cand the Control association for the section of the section of the section of the section of the section of the section of the section of the section of the section of the first of the section of the section of the section of the section of the first of the section of the section of the section of the section of the first of the section of the large the section of the section of the section of the section of the large the section of the section of the section of the section of the large the section of the section of the section of the section of the large the section of th
	respectively in the operations are all from the operations of the operations of the operations of the operation of the operat	est harden more hiersections and resources the the Taffer investment the section of an end of the section of an end of the restors Cerer.	The City's available its entry of target image. The project will implement engravisming abarding the formation of the target of target of the target of targe
Image Time Time Time SUBJECT Fig. 2004 SIRAL SUBJECT An extra of incident Kingeneue Timp-sensette SIRAL SUBJECT	Description Certain, for a table of this coverage coverage independence, this parage table of the coverage of the certain of the certain of the paragement of the certain o	Antonaction. The project will all minimum along the antonaction of drapping at these strength of drapping at these strength of drapping at these strength of the strength of t	In the project will replace the provide intege adving technology and the Carly of Learners Tarking Constrain Carlot on provide the mass time abring of Transpars with index against in the Replace. New KEN's two carriers on the Transpars To Day Constraints of the advised by the technology and the Carlot on the Carlot energy constraints of the Carlot on the Carlot on the Carlot energy and the Carlot on the Carlot to the carlot on the Carlot and the other constraint of Carlot energy and the Carlot and the other constraint of Carlot energy and the carlot on the advised on the Carlot on the Carlot to the carlot on the Carlot Carlot on the constraint of Carlot energy and the carlot on the Carlot on the carlot of the carlot of the parentine constraints of Carlot Carlot on the carlot of the carlot on the carlot on the carlot on the carlot Carlot on the carlot of the carlot of the carlot on the carlot on the carlot on the carlot of the carlot on the carlot on the carlot on the carlot of the carlot of the carlot on the carlot of the carlot on the
In communication Disposing File/0 5918.000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.0 0.0 0.0 11.0 0.0 0.0 12.0 0.0 0.0 13.0 0.0 0.0 14.0 0.0 0.0 15.0 0.0 0.0 16.0 0.0 0.0 17.0 0.0 0.0 0.0 18.0 0.0 0.0 0.0 19.0 0.0 0.0 0.0 10.0 0.0 0.0 0.0 11.0 0.0 0.0 0.0 0.0 11.0 0.0 0.0 0.0 0.0 12.0 0.0 0.0 0.0 0.0 13.0 0.0 0.0 0.0 0.0 13.0 <t< th=""><td>and a second dimension. The paper of the main of the paper of the second dimension of the second dimen</td><td>2.0 - need to list locations in near term time frame</td><td>at the Gry of Lawrence Tartis Operations Center to impose has been adving of Pragase with the apachis in the high Phase will also use harding of the adving with the apachis from Statis to Lawrence on the Phase Tables (Const. and Phase Phase Phase Phase Phase Phase the Instruct. The Chy of Lawrence and the Advingtone Agencies val- the instruct. Will not the central of Chysterses. Chry the Tartis Ciperations Center all is able to orror their par-timeson (Anoton)</td></t<>	and a second dimension. The paper of the main of the paper of the second dimension of the second dimen	2.0 - need to list locations in near term time frame	at the Gry of Lawrence Tartis Operations Center to impose has been adving of Pragase with the apachis in the high Phase will also use harding of the adving with the apachis from Statis to Lawrence on the Phase Tables (Const. and Phase Phase Phase Phase Phase Phase the Instruct. The Chy of Lawrence and the Advingtone Agencies val- the instruct. Will not the central of Chysterses. Chry the Tartis Ciperations Center all is able to orror their par-timeson (Anoton)
Intermediate 8.1 entropy of include Management Improvements 9500,000 to 32,000,000 event 8.1 entropy of include Management Improvements 5500,000 to 350,000 interment 8.1 entropy of include Management Improvements 5500,000 to 350,000 13.1 supervise Improvements 550,000 to 350,000 13.1 supervise Improvements 550,000 to 12,000,000 13.1 supervise Improvements 550,000 to 12,000,000 13.1 supervise Improvements 510,000 to 12,000,000 13.1 supervise Improvements 510,000 to 12,000,000 14.1 supervise Improvements 510,000 to 12,000,000 15.3 supervise Improvements 510,000 to 12,000,000 14.1 supervise Improvements 510,000 to 12,000,000 15.3 supervise Improvements 510,000 to 12,000,000 15.3 supervise Improvements 510,000 to 12,000,000 15.3 supervise Improvements 550,000 to 12,000,000 15.3 supervise Improvements 550,000 to 15,000,000 15.3 supervise Improvements 550,000 to 550,000		2.0 - need to list locations in near term time frame	The drive a brance of measures with other agencies in the Naguer. This will also the finding (counter) science impacts the the Naguer. And be able to that read cruck magains the Tab Rapix's, and be able to that read cruck magains the Tab Rapix's, the tomore. This measures are constructed of the magains the tab Rapix's, the tomore. Tab Rapix and the Rabit to that counter impacts that Capacitories counter all is able to cond the tab panels scont Cardoon.
Minimum 55,00,001 (s) (501,000) 10. A special Monogeneers Improvements 55,00,001 (s) (501,000) 11. Special Research Special Provide 55,00,001 (s) (500,000) 12. Tarcing Monome Displayment 555,00,001 (s) (500,000) 13. Tarcing Monome Displayment 555,00,001 (s) (500,000) 14. Tarcing Monome Displayment 555,00,001 (s) (500,000) 14. Tarcing Monome Displayment 555,00,001 (s) (500,000) 15. A sequency Special American Improvements 555,00,001 (s) (500,000) 15. A sequency Special American Improvements 555,00,001 (s) (500,000) 15. A sequency Monome Special Provide Monome M		locations in near term time frame	Now will also the fortic Operations Gener to view images from CR3 to compress our for function in Dought on Courts, and be able to priver and than images to the Region's det to street. The Operations Center and the able to theirs cames images but off operations Center and the able to street cames images but Operations Center and the able to corrol their pare-this scon Operations Center and the able to corrol their pare-this scon
View Bit Jamme Three StepP Anny 546,000 to 586,000 11.5 upper Monos physiquent 556,000 to 51,000,000 12.6 height Monos physiquent 556,000 to 51,000,000 14.6 height Monos physiquent 512,000 to 51,000,000 14.8 height Annotation Starbing Annotation 512,000,000 to 513,000 14.8 height Annotation Starbing Annotation 512,000,000 to 513,000 15.8 height Annotation 552,000 to 513,000		locations in near term time frame	and be able to blare read than images to the Region's megany regarders and with the meganese read provides size the convertient of the read bits to develop and the read bits to the convertient of the read bits to develop and the read bits of the convertient of the read bits to develop and the read bits of the convertient of the read bits of the read bits of the read bits of the read bits of the read bits of the read bits of the read bits of the lead bits of the read bits of the lead bits of the read bits of the
11.1 Starting Temporary 564,000 to 1512:000 12.1 Starting Temporary Temporary Starting Temporary 13.1 Starting Temporary Starting Temporary 13.1 Starting Temporary Starting Temporary 14.1 Starting Temporary Starting Temporary 15.1 Starting Temporary Starting Temporary		locations in near term time frame	emergency responders and traffic management agencies size that instruet. The City of Lawrence will be addet to siters camers integes fact will not that control of City sames. City with traffic Ciperations Center will be addet to corrol their parentite con- Carotion.
L1 Antice Management System SS120.000 to 10.000.000 train State LSL1.800.000 LSL1.800.000 train State LSL1.800.000 SS12.000.000 train State LSL1.800.000 SS12.000.000 LSL.800.000 SS12.000.000 SS12.000.000 LS. Manufactorian State SS10.000 to 10.000.000 SS12.000.000 LS. Manufactorian State SS10.000 to 10.000.000 SS10.000 LS. Manufactorian State SS10.000 SS10.000 SS10.000		locations in near term time frame	the Internet. The Cop of Javernora will be able to share careers integers toot, will not share control of Chr. someras, Chr. the Teaffic Operations Center will be able to control their pan-tile soon Arctions.
Interference Statistica	More than the second se	term time frame	will not share control of City cameras. Driv the Traffic Operations Center will be able to control their pan-sits acom functions.
n 15.1 (negroup lips) Faund Faungation Improvements 5558,000 to 1508,000 16.1 Not 15.1 (EntryInvelocition): Wanning Systems 5518,000 to 1551,200 15.5 Negroup Velocition: Wanning Systems 5519,000 to 1551,200 15.5 Negroup Velocition: Wanning Systems 5519,000 to 1551,200 15.5 Negroup Velocition: Wanning Systems 5519,000 to 1551,200 17.5 Negroup Velocition: Wanning Velocities 5519,000 to 1551,200 17.5 Negroup Velocities: Negroup Negroup Velocities 5519,000 to 1551,200 18.5 Negroup Velocities: Negroup Negroup Negroup Velocities: Negroup N	More than the second se	term time frame	will not share control of City cameras. Driv the Traffic Operations Center will be able to control their pan-sits acom functions.
Dir M. 10 14. Biocyclic Theorismics (Schores St. 2000) LS. Weiter Membring 207.0000 + 5012.000 LS. Weiter Membring 207.0000 + 5002.000 LS. Biocyclic Weiterbeiner 510.0000 + 5502.000 LS. Biocyclic Weiterbeiner 500.0000 + 5502.000 LS. Biocyclic Weiterbeiner 500.0000 + 5502.000 LS. Biocyclic Weiterbeiner 507.0000 + 5502.000 LS. Biocyclic Weiterbeiner 507.0000 + 5502.000 LB. Tarlfo Exterclos Improvements 507.0000 + 5502.000 LB. Tarlfo Exterclos Improvements 507.0000 + 5512.000			Andlos.
1 St. Watcher Stearting watering and an an anti- 1 St. Watcher Stearting and an anti- 1 St. Watcher Stearting and an anti- 1 St. Stearting and an anti- 1 St. Stearting and anti- 1 St. Stearting and anti- St. Starting better Strain and anti- St. Starting better St. Starting and anti- St. Starting and anti- St. Starting and anti- Starting and anti- Starting and anti- St. Starting and anti- Starting anti- St		<text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text>	
15. Weetline Monitoring 5207,000 to 5500,000 16. Regional Whose Datas Warnhouse 515,000 to 5500,000 17. Journey Trop Fanner 550,000 to 5310,000 18. Turtlin, Ersteriction Improvements 5774,000 to 15,313,000 under Gang Term Coll 53,750,000 to 15,313,000	Instant		
16. Regional Virtual Data Warnhouse \$15,000 to \$300,000 17. Journey Trip Flanner \$300,000 to \$530,000 18. Traffic Detection Improvements \$774,000 to \$1,644,000 sated Cong Term Cold \$13,83,000			
17. Journey Trip Flanner \$300,000 to \$530,000 18. Traffic Detection Improvements \$774,000 to \$1,444,000 wated Long-Term Cost \$1,570,000 to \$3,135,000			Near-term (next three years) Citywide.
18. Truffic Detection Improvements \$774,000 to \$3,444,000 nated Long Term Cost \$1,570,000 to \$3,135,000		The second	Tumpile Exits 202 and 217 Umpile
ated Long-Term Cost \$1,570,000 to \$3,135,000		The second	Lead stakeholder: Other Stakeholders:
	<text><text><text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text></text></text>	City of Lawrence Municipal Services and City of Lawrence Police	
struer regena statute da Statut Add			Operations Douglas County Emergency Communications
	Construction of a providence of the second second	 6th St from K-10 to Wakanusa; on Wakanusa from 6th 	• KD01
	The project cost A approximately \$740,000 Th Installation. Definition of Monizers The effectives of the project can be mean the set of the set of the project can be mean the competition with it the control on Competition with it the control on. Set of the s	red through the following measures: metybe work	 terms and the back processing background of the processing ba

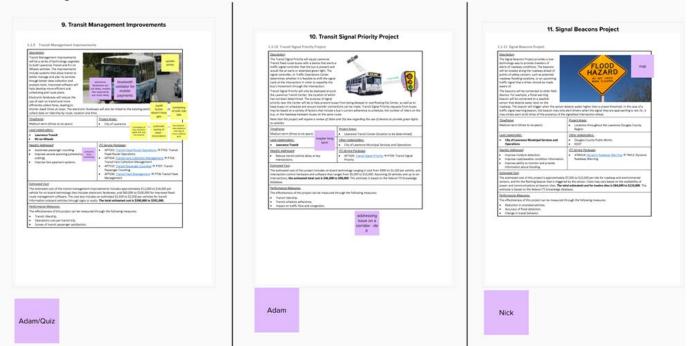
B. Transit Traveler Information Improvements Project, Interagency Information Sharing Project, and Work Zone Management Project



C. Dynamic Message Signs Project, Fiber Communications Expansion Project, and Event and Incident Management Project

6. Dynamic Messa	age Signs Project	Fiber Program 7. Fiber Comr	nunications Expansion Project	8. Event and Incid	dent Management Project
1.6 Dynamic Message Signs Project		1.1.7 Fiber Communications Expansion		1.1.8 Event and Insident Management Project	-
Decision the specific and increases the specific and managing on all a provide starting starting materials and managing on provide starting starting materials and the specific and managing on provide starting and that and the solid start specific materials to the speci- tion of the specific and the specific specific materials and the specific the SDS and specific materials and the specific materials to the specific the SDS and specific materials and the specific materials and the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific materials and the specific materials the specific materials and the specific ma	gention and event trains. The says will be owned by The Chip of Lawrence Annicola Services and intern the Chip's Straffic Operation Center. In the tradeous as they order the Chip of Lawrence, encourage throwless to bala adhemistra could when will be used to monitor the status of the CMS.	This project would expand that network to inte	ve exchange of proc. but ends in have in may include sate than on fav	management to coordinate were suffic management p with corgenitor, parking and attenuities transportation agencies in the Region to acchinge information as need \$2,500x1 currently perform regional avent and incident	er et and south access and sense and the file indiscontinuities and generating and profile sense account of the indiscontinuities and
	A dama arong k10	Inshane:	Project Arran:	Zimeframe: Maduum tarm Ofware to six search	Project Areas: Lawrence Couples County Region
Indust Indust The temp part time part	Base spenning Base sp	Medium-term (Investing Spranger) Earld astitution()	KDOT KTA University of Kanas KS Sout Physics communications providers IfS Service Processes:	Lond alterhalmin: • Bruglas County Researce Communication	Other Defaultions Other Defaultions Other of Learners Advances Other of Learners Advances Outperforms Outperform Outperforms
end statements that wices and Operations	Other Statesholder: • EOOI • ETA • EC Scoult	Provide quality real time congestion relate Improve traffic information disaerolation. Improve information informing among agend Improve svent management. Improve inter-agency coordination and Improve Inter-agency coordination and	es. communications significantly improved other ICS Projects in the Region.	Benotici, Ablinased Improve incident management in urban areas. Improve incident management. Improve incidence response coordination between agencies.	ATLSenior.Factores Antiol: Temportation Constitute Sets Theory (This service package descrit exist in RAC+1. The of definition is below) The server package notes and the temportation systems del
Intell-Addressed Incode spatial of the incognition network information, incode spatial of the incode of the incode Decide states must consult on the formation Decide states must consult on the formation Decide states must consult on the incode Decide states and the incode of the incode of the incode Decide states and the incode of the incode of the incode Decide states and the incode of the incode of the incode of the incode Decide states and the incode of the incode	IL Science Characteristics (1996) A MANDON Stream Characteristics (1996) A MANDON Stream Characteristics (1996) The A MANDON Stream Characteristics (1996) The A manual and the A Manufactures (1996) The A manufactures (1996) A Manufactures (1996) A manufacture (1996) A Manufactures (1996) A manufactures (1996) A manufactures (1996) A m	Estimated Gain The enterest out of the Communications On 1 (144000 for 23 ⁻⁴ k vois (20)39 mol 1 (14400 for 23 ⁻⁴ k vois (20)39 mol 1 (11100 for 2 ⁺⁴ k vois (20)3 for 1 (11100 for 2 ⁺⁴ k	when it is solve Lawrence Treffic, Way solve to the booth Lawrence Treffic, Way extended to the solve Lawrence in to 0° A solve and the solve and the solve and the solve of the optime factoring to the Object Lawrence of the optime Tableaing manunes;	improve anotheritation or promotection intelligation except to provide the factor of the comparison of the origination	anisotis to requirement under anisette f. N. Mutatured termine highling drives, anisotis of drives aniset of homes and phone drives, anisotis of drives and the drives of the drives and the drives of the drives of the drives of the drives and the drives of the drives of the drives of the drives and the drives of the drives of the drives of the phone drives of the drives of drives of the drives of the drives of the drives of the drives of drives of the drives of the drives of the drives of the drives of drives of the drives of the drives of the drives of the drives of drives of the drives of the drives of the drives of the drives of drives of the drives of the drives of the drives of the drives of drives of the drives of the drives of the drives of the drives of drives of the drives of the drives of the drives of the drives of drives of the drives of drives of the drives
	and long ways privating. This collaber data service to environment and marked to exercise and the formation forecast houses for despension. A 1990-05, "Typic information: Despensional form -9, 1990-15, "Typic information: Despensional Sciences Despensional Sciences Desp	Sata exchange rates among devices and co	985	increased use of portable and fixed message signs, High-	rhears to detect incidents at the Traffic Operations Center, way Advisory Ratio and intergency data integration. Cents 00,000 to \$2,000,000. This estimate is based on the federal
Internance Cost In extension Cost and a Stock of the CMS and camera deployments is S223, 0 and a Stock cost of this project cam be measured through the Solt in Stock Stock project cam be measured through the Solt 'Stock Stock project cam be measured through the Solt 'Stock Stock project camera.	of KDOT's incert DMS deployments.	Micah		Performance Memory The effectiveness of this papiest on the measured threat 5 tables from during events. 6 Land of again of spin. 7 Survey of threates to determine sharings in travel 3	Turks TX
Ashley>				Ashley check with	
 Survey of to evelow to determine changes in travel behavior. 					

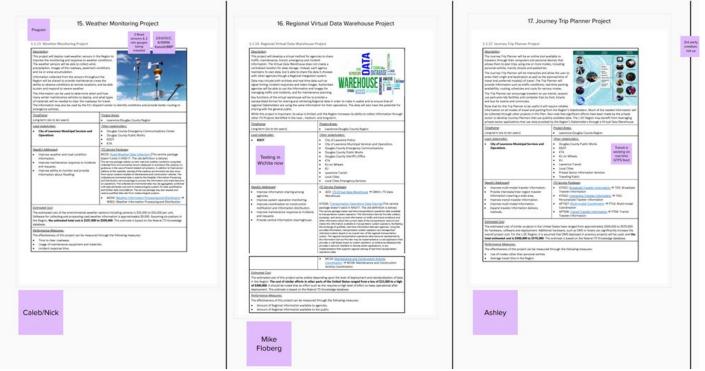
D. Transit Management Improvements, Transit Signal Priority Project, and Signal Beacons Project



E. Parking Management Systems Project, Emergency Signal Preemption Improvements Project, and Bicycle/Pedestrian Warning Systems Project

12. Parking Management Systems P	Management Systems P		13. Emergency Signal 1.1.13 Emergency Signal Presemption Impr	Preemption Improvements Proje	ct	1.1.14 Bicycle/Pedestrian Warning System	ns Project	Bike dete devices perman
default implicit valid improve the management of par- ticle of Lawrence and on-the KU campos to collect the second technologies to tradi using a setability. The second technologies to tradi using a setability of the second technologies and a setability of the second technologies and a setability of the second technologies and a set of the second technologies and technologies and a set of the second technologies and technologies and a set of the second technologies and the second technologies and a set of the second technologies and technologies and a set of the second technologies and technologies and a set of the second technologies and technologies and a set of technologies and technologies and technologies and a set of technologies and a set of technologies and a set of technologies and technologies and a set of technologies and a set of technologies and a set of technologies and a set of technologies and a set of technologies and a set of technologies and a set of technologi			Encidential In distributions of signal Procession Improvements Protein and a signals for Lawrence coupling Concert Protein Mobilar white a solida to serve the Artifician white a solida to serve the Artifician white a solidary and a solidary and the communication. Clarence, and an advancements and a servering a solidary and protein a solidary and the solidary and the solidary and the servering a solidary and protein a solidary and the solidary and the solidary and the solidary as solidary and the solidary and the solidary as solidary and the solidary and the solidary and the solidary and the solidary and the solidary and the solidary and the solidary and the solidary and the solidary and the solidary and the solidary and the solidary and the solid results and the solidary and the solidary and the solidary and the solidary and the solid results and the solid results and the solidary and the solid results and the solid results and the solid results and the solid results and the solid results and the solid results and the solid results and the solid results and the solid results and the solid results and the solid results and the solid resul	Completed for Fire/Med - Necessary for Police?		Description Biople-Hostorius Harving Systems, will provide d'Alacides aud destinition ou n'eaur Ter roubles examents la philes and the staffund of bioplices to any start and the staffund of bioplices and the systems may be advised in bioplices with the staffun controlled in the staffund of the staffund register and tables and the staffund of the staffund register and tables and the staffund of the staffund register and tables and the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund of the staffund register and the staffund of the staffund of the staffund of the staffund register and the staffund of the st	Is to traffic. This will improve not personners, assessment to the traffic spectrem will autometrically many such as a training facation may also autometrically trigger a present. A sing series proget for online	countin devices intersection Bite Pla detector
parting management system will collect da parking management agencies develop par	formation generated by the Parking Management		message to the signal controller to grant an immediate grean tight. The current cyclein can be succeptible to security breaches, and			Disaftanar Long term bis to ten yeard)	Paint Amin:	signalizati crossings
ens can also be chared by trip planning the	a Augurial travelar information systems.		can be subceptible to security treaches, and may not function when the line of sight Subwave vehicle and the receiver is blocked	O total and the second		Long-term (cis to ten years)	Locations throughout the Obj of Lawrence Other utstechnites:	intersectio
flame lum term (Pres to skysters)	Chaintheam c		The upgraded sustem will use wireless communica-	tons that send an encrypted signal directly from the vehicle to smore reliable and can provide a more rapid response for the		City of Lawrence Municipal Services and Operations	TwelingPublic	konger b
anterballers:	Ki pritect stars and lots		approaching emergency which.			Sendul Addressed	ELimist balance	1 C C C C C
Dity of Lawrence Municipal Services and D	Speciations much		Disaffattar Long-term lide to bet useful	Council America		 Improve bicycla/bedestrian warning systems. 	 ATMSDG: <u>Word Use Warring Sectors</u> IP's Pedestrian and Cyclint Safety 	612
CO Parking and Transit Co: Addressed	GLippin Ashany		Least americanian	Other stateholders		Entroped Gain		
ANDE Experts - DE Alberta - DE				pedesitian crossing flumination ryslam is \$25,000	ion sustem is approximately \$1,000 per intersection. In 2 to \$151,000 per installan, Assuming leader intersection tal extinantel cost for this project is \$356,000 to \$152, relation.	is with		
needs to indicate spaces in garages	encyclerialis Lanen ir die sergener if antregenetiste understellte Arterier in der Stephensperier der Stephensperier eine der Stephensperier aufördingen, der stephensperier aufördingen eine alle Ausstein in verlahen agenetiste auf frahe Neutragenet ein eine die Ausstein in verlahen agenetiste aufördigen aufördigen für alle die aussa auforgen, Arfeit Neutra des Landers aussahlt auf für alle die aussa auforgen, Arfeit Neutra des Landers aussahlt aufördigen eine aussa auforgen, Arfeit Neutra des Landers aussette aufördigen eine aussahlter aufördigen aufördigen aufördigen aufördigen aufördigen aufördigen aufördigen aufördigen aufördigen aufördigen eine aufördigen aufördigen Arfeiter Arter Arter Arter Arter aufördigen aufördigen aufördigen Arfeiter Arter Arter Arter Arter Arter Arter Angelman Freihörig Management in		Bude verde emegang control of signals.	In SAGE—To the operations in Letters). The series of the series paragraphic matchine shared and the letters and planes may be a series paragraphic matchine shared. The series paragraphic matchine shared to the series of the series paragraphic matchine shared to the series of the s		Performance Anguera. The effectiveness of the project can be measured • Reduction in bioinform/performance. • Impact on traffic flow and congestion.	through the following measures:	
estimated cost of this project is between the performance of the perfo	\$150,000 and \$3,000,000. The cost is based on up to the parking the technology deployed at each facility. The estimated cost is based name reported in the federal (75 financing) deblocs.		vehicle, and intersection control hardware and soft	el bechnology-ranging in cost from 5800 to 52,000 par emergency name that ranges from 55,000 to 510,000. Assuming 20 vehicles e 5 5544,000 to 5560,000 . This estimate is based on the federal				
effectiveness of this project can be measure	red through the following measures:		Performance Measures:					
Parking usage. Parking revenue:			The effectiveness of this project can be measured	frough the following measures:				
haffic congestion during evenils.			Inclaint response times. Impact on traffic flow and compretion.	I				
KU - discussed Iots of things, But due to hold of bings, budget changes not doing them	KU-5 year plan each year defension priority liat to fu No							

F. Weather Monitoring Project, Regional Virtual Data Warehouse Project, and Journey Trip Project Planner



G. Traffic Detection Improvements Project, Connected Vehicles – Need to update, and Any New Projects to Include?

18. Traffic Detection Improvements Project	19. Connected Vehicles - Need to update self driving Any New Projections	cts to Include?
<text><section-header></section-header></text>	spirituring preparation 1.1.12 Construct Waldiss-update The Thy Appendentified and practice data with the Sport Appendentiate the Sport Appendentiat	Electric /ehicle astructure
Beneral fields from a procession many set of the field of the fie		
Nick	¹ 173 JPC Convensitive Versite Names-Tri-Time Liference In and analysis with Machine Web All American State All American All American State All American State All American State All American State All American All American State All American All American All American State All American All American State All American All Ame	
	MPO Person to Update:	

H. Next Meeting – Meeting adjourned at 2:54 pm. a. Meeting 3 – April 13 @ 10:30

- - i. Prepare for the meeting by gathering information and updating existing and future projects discussed in the meeting.
 - ii. Provide comments on project word documents or on Mural by 5 pm on April 5.
- b. Meeting 4 April 26 @ 1:30