MISSOURI STATE BOARD OF EDUCATION AGENDA ITEM:

UPDATE ON THE MISSOURI CONNECT & LEARN INITIATIVE

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<td>Section 161.092, RSMo</td>
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| ☑ | Consent Item |
| ☑ | Action Item |
| ☒ | Report Item |

DEPARTMENT GOAL NO. 4:

The Missouri Department of Elementary and Secondary Education will improve departmental efficiency and operational effectiveness.

SUMMARY:

The Department of Elementary and Secondary Education has partnered with the Governor’s Office and EducationSuperHighway to launch the Missouri Connect & Learn Initiative. The objective is to support increased access to affordable, high-speed Internet in every classroom in Missouri.

Representatives from EducationSuperHighway will discuss how their organization supports school districts and charter schools with scalable, cost-effective infrastructure resources that will upgrade the school’s broadband network and increase bandwidth to classrooms.

PRESENTERS:

Jeff Falter, Chief Data Officer, Office of Data System Management; Michael Turzanski, Director of State Engagements, EducationSuperHighway; and Jenny Lam, State Engagement Manager, EducationSuperHighway, will assist in the presentation and discussion of this agenda item.
Missouri Connect & Learn Initiative

June 13, 2017
Upgrade the Internet access in every public school classroom in America so that all students can take advantage of the promise of digital learning.

EducationSuperhighway’s mission
Our progress
State engagements
We are working with 24 states across the nation to...

- Connect all schools to fiber
- Find cost-effective broadband options
- Implement Wi-Fi in every classroom
Missouri Connect & Learn Initiative Goals & Progress to Date

Connect all schools to fiber and ensure schools have access to funding & resources for infrastructure upgrades

Secure cost-effective broadband options and ensure all districts have 100 kbps per student Internet Access

January- June 2017

• Established partnership between the Office of the Governor, Department of Elementary and Secondary Education, and EducationSuperHighway

• Completed Missouri State of K-12 broadband Connectivity snapshot

• Outreached to school districts with contracts expiring (2017) to offer procurement support and increase bandwidth connectivity

• Governor Greitens, DESE identified funding source to establish State Matching Fund to further optimize FCC funding program for broadband infrastructure. Anticipated passage and implementation beginning Fall 2017
Digital learning is transforming education

A teacher checks for student understanding and adjusts lessons in real time using an instant quizzing application.

Students in rural communities now have access to virtual classes through online courses.

STEM-based curriculum ensuring students become well versed with technology including engineering, robotics and coding courses.

build a personalized learning experience for students matching educational activities to individual learning styles.
School districts not meeting bandwidth goals are dispersed throughout Missouri.
Missouri can close the fiber gap
Funding K-12 broadband connectivity through E-rate
FCC Universal Service Fund

$3.9 BILLION ANNUALLY

Up to 90% discount on connectivity services
Operated by the Universal Service Administrative Company (USAC) under the FCC

Category 1: INTERNET
Wide Area Network (WAN)
SCHOOL DISTRICT OFFICE

Category 2: LAN/WI-FI
Local Area Network (LAN)
Wi-Fi
SCHOOLS
CLASSROOMS
DEVICES
Missouri Connect & Learn Action Plan

1. **Optimize E-rate funding by establishing MO Fiber Matching Fund to help districts upgrade their broadband infrastructure**

   Develop implementation plan to support Missouri Department of Elementary and Secondary Education to assist with outreach, education, and engagement with school districts.

2. **Initiate fiber program for school districts lacking scalable broadband infrastructure**

   EducationSuperHighway to provide technical assistance and project management resources to identified school districts.

3. **Launch bandwidth upgrade program for districts not meeting the 100kbps/student goal**

   EducationSuperHighway to work with Missouri Department of Elementary and Secondary Education to engage with school districts to support broadband needs and upgrade plans.
Appendix
State match timing considerations

USAC / E-rate milestones

State

- Formulate request
- **Gather support**
- Pass budget
- Notify districts
- Fund districts
- Get FCC/USAC approval

District

- Budget & IT planning
- Post RFPs
- Select vendor
- Pay vendor
- Submit 470
- Submit 471 funding request