



Record of Meeting | September 27, 2018

The Illinois State Toll Highway Authority (the “Tollway”) Board of Directors met in regular session on Thursday, September 27, 2018 in the Boardroom of Tollway Headquarters in Downers Grove, Illinois. The Meeting was held pursuant to By-Laws of the Tollway upon call and notice of the Meeting executed by Chairman Robert J. Schillerstrom and posted in accordance with the requirements of the Illinois *Open Meetings Act*. The Meeting was open to the public.

[Bolded entries indicate issues which may require follow-up to present or report to the Board.]

Call to Order / Pledge of Allegiance / Roll Call

Chairman Bob Schillerstrom called the Meeting to order at approximately 9:08 a.m., inviting attendees to rise and join in the Pledge of Allegiance. He then asked the Board Secretary to call the roll, those Directors present and absent being as follows:

Board Members Present:
Chairman Bob Schillerstrom
Director Jim Banks
Director Corey Brooks
Director Earl Dotson, Jr.
Director Joe Gomez
Director David Gonzalez
Director Craig Johnson
Director Bradley Stephens
Director Neli Vazquez Rowland

Board Members Not Present:
Governor Bruce Rauner <i>[ex officio]</i>
Secretary Randall Blankenhorn <i>[ex officio]</i>

The Board Secretary declared a quorum present.

Public Comment

Chairman Schillerstrom opened the floor for public comment.

Calvin Williams, President of Construction Contracting Services, Inc., addressed the Board. Mr. Williams expressed concern over the evaluation and scoring of his firm’s response to RFP 17-0215 for the purchase of Diversity compliance consultant services. Mr. Williams requested that



award of this contract to the selected bidder be deferred until after the state's Chief Procurement Officer has had an opportunity to review a protest to be filed by his firm.

Chairman Schillerstrom thanked Mr. Williams for his comments.

Chairman's Items

Item 1: Approval of the Minutes of the regular Board of Directors meeting held August 23, 2018.

Chairman Schillerstrom called for a motion to approve **Chairman's Item 1**, the Minutes of the regular Board of Directors meeting held on August 23, 2018, as presented. Director Banks made a motion for approval; seconded by Director Johnson. Chairman Schillerstrom asked if there are any questions, concerns or requests for amendment. Hearing nothing, Chairman Schillerstrom called for a vote. The motion was PASSED unanimously.

Item 2: Approval of the Minutes of the Special Board of Directors Meeting held August 15, 2018.

Chairman Schillerstrom called for a motion to approve **Chairman's Item 2**, the Minutes of the Special Board of Directors meeting held on August 15, 2018, as presented. Director Stephens made a motion for approval; seconded by Director Johnson. Chairman Schillerstrom asked if there are any questions, concerns or requests for amendment. Hearing nothing, Chairman Schillerstrom called for a vote. The motion was PASSED unanimously.

Item 3: Committee Reports.

Chairman Schillerstrom asked the chairs of the following committees of the Board if they had any report to provide on the committees' recent activities:

Finance, Administration & Operations Committee

Committee Chair Dotson updated the Board on the Finance, Administration and Operations Committee ("FAO Committee") meeting held Thursday, September 20, 2018, providing the following highlights:

PROCUREMENT presented six items which were recommended for placement on the full Board agenda:

- A request to utilize a CMS Master Contract to purchase rock salt for the upcoming winter season.
- A purchase of fiber optic maintenance and management services.
- A purchase of diversity compliance consultant services.



- A contract amendment for technology professional services.
- A purchase of bulk fuel for the Tollway's 17 fueling locations.
- An extension of an emergency contract to continue out-of-state registration retrieval services.

ENGINEERING presented six items which were reviewed and recommended for placement on today's Board agenda. These items included:

- Two construction contracts
- Three professional service contracts
- One professional service contract supplement

Of the nearly \$26 million recommended, \$8.6 million or 33% is committed to veteran-owned or disadvantaged firms.

LEGAL presented four items to the Committee which were each reviewed and recommended for placement on today's Board agenda. These included:

- An Intergovernmental Agreement with the City of Rockford for landscaping improvements near the I-90 Jane Addams Memorial Tollway and Route 20. The City has requested certain landscaping enhancements and will reimburse the Tollway approximately \$30,000. The Agreement also delegates maintenance responsibilities for the project.
- An Intergovernmental Agreement with Cook County conveying three Tollway parcels to Cook County needed for the Rosemont Transit Center.
- An Intergovernmental Agreement with the Board of Regents of the University of Illinois at Chicago. The University has submitted a proposal to install a Bridge Weigh-In-Motion system at the I-294 Tri-State Tollway northbound Thornton Quarry Bridge to allow for improved data monitoring of truck weights.
- An Intergovernmental Agreement with the Village of Willow Springs for the purchase of three real estate interests necessary for the Tri-State reconstruction project.

The final Legal item, concerning a litigation settlement, was deferred at Committee and will be reviewed in Executive Session today prior to full Board consideration.

Director Vazquez Rowland requested confirmation that the IGA with Cook County (Legal Item #2) contains covenants which assure public use of the transferred parcels. Chairman Schillerstrom confirmed.

Customer Service & Planning Committee



Committee Chair Vazquez Rowland updated the Board on the Customer Service & Planning Committee (“CSP Committee”) meeting held Thursday, September 20, 2018, providing the following highlights:

Committee members heard a presentation on Environmental, Social and Governance (ESG) ratings. The committee discussed how an ESG rating is measured and how it might benefit the Tollway to have this supplemental certificate in addition to its current credit ratings. Staff has been asked to draft an RFP for consideration.

The committee also discussed Social Business Enterprise, which are organizations or ventures that advance their primary social or environmental mission using business methods. We hope to discuss this topic further at future meetings, including the possibility of developing a pilot program for these types of entities. The Tollway has created paths to success for MBEs, WBEs, DBEs and veteran-owned business, and we hope to explore further ways to engage SBEs.

[End of Committee Reports]

Executive Director’s Items

Inspector General’s Summary Activity Report: Executive Director Gorman introduced T.J. Hengesbach, Tollway Inspector General, to present to the Committee an overview of his Summary Activity Report for the period March 1, 2018 through August 31, 2018. [See attached report.](#)

Director Gomez inquired if all investigations conducted in the previous six months are contained within the Inspector General’s Summary Activity Report. Mr. Hengesbach confirmed, clarifying that investigations/allegations during this period which were not sustained (if any) would be reported in January.

Electric Vehicle Charging Solutions – Central Tri-State Tollway (I-294) Corridor: Executive Director Gorman highlighted the focus placed by the agency on finding ways to better serve its customers through innovation and new technology. She then introduced Rick Young, of AECOM, to provide a presentation on electric vehicle charging solutions. [See attached presentation.](#)

Directors and Mr. Young discussed the feasibility, benefits and mechanics of a proposed Smart Powered lanes concept. Additionally discussed were the potential development of a Smart Powered lanes pilot program, static wireless charging stations, as well as strategic partnerships



and business rules to facilitate recovery by the agency of capital and operational costs of electric vehicle charging solutions.

Executive Director's Items

Tollway Staff Acknowledgements/Awards: Executive Director Gorman reported that the Tollway and the Greater O'Hare Association accepted an Illinois Chamber of Commerce "Edie" Award at the Chamber's 2018 annual meeting for the economic development benefits of the new Illinois Route 390 Tollway. She further reported that the Tollway, along with Pace, was honored by the American Planning Association for innovative collaboration to accommodate transit on the Jane Addams Memorial Tollway. She highlighted that most recently, the Tollway was recognized with the Government Champion Award for its commitment to diversity and inclusion by the Women's Business Development Center.

Work Zone Safety: Executive Director Gorman expressed the agency's grief over the death of a Tollway contractor, Frank Caputo, who was struck and killed recently by a reckless driver while working on pavement patching on the Tri-State Tollway (I-294). She highlighted that in response, the Tollway is advocating for new legislation aimed at better protecting roadway workers and improving safety.

Strategic Planning: Ms. Gorman reported that the Tollway is embarking on a strategic planning process that will create a roadmap for the future of the agency beyond the current *Move Illinois* Program. She noted that in the coming months, the agency will be organizing workshops with additional staff and stakeholders to draft vision, mission, values, goals and performance metrics.

September 2018 Diversity Statistics: Executive Director Gorman provided the following diversity statistics for Tollway procurements to be presented in the current month:

ENGINEERING has two construction contracts totaling \$2.0 million and three professional engineering services contract totaling \$23.5 million, which include:

- One firm that has worked as a subcontractor and is now working as a prime for the first time on a Tollway contract,
- One firm that has participated in the Tollway Technical Assistance Program and is an active Partnering for Growth participant.
- One new Partnering for Growth commitment.
- One small business set-aside contract awarded as part of the Tollway's Small Business Initiative.



Of the \$26.0 million in recommended Engineering contract awards, nearly \$8.6 million, or 33 percent, is committed to small, veteran-owned or disadvantaged firms.

Four contracts include commitments for both veteran and disadvantaged, minority- and women- owned business enterprise (D/M/WBE) firm participation, ranging from one to seven percent per contract and D/M/WBE commitments ranging from 25 to 70 percent per contract.

- One prime consultant is a certified D/MBE.
- Eleven subconsultants are certified as D/M/WBEs.
- Three subconsultants are certified veteran-owned firms.
- Four subcontractors are certified as D/M/WBEs.
- One subcontractor is a certified veteran-owned firm.

PROCUREMENT has six goods and services contracts totaling \$71.7 million to present this month.

Of the total awarded, nearly \$14.8 million has been committed to BEP-certified firms and nearly \$673,000 has been committed to veteran-certified firms.

These contracts include:

- One firm doing business with the Tollway for the first time.
- One firm registered as a small business.
- Five firms exceeding the BEP goal.
- One firm exceeding the veteran goal.

At this time, Director Vazquez Rowland commended Executive Director Gorman's speech to the City Club of Chicago on September 25.

Items for Consideration

Procurement

Item 1: Renewal of Contract 17-0143 with Cargill, Inc.; Compass Minerals America, Inc.; and Morton Salt, Inc. for the purchase of Bulk Rock Salt in an aggregate amount not to exceed \$3,162,738.00 (Order Against CMS Master Contract).

Chairman Schillerstrom called for a motion to approve **Procurement Item 1**. Director Dotson made a motion for approval; seconded by Director Banks. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:



Yeas: Director Dotson, Director Banks, Director Brooks, Director Gomez, Director Gonzalez, Director Johnson, Director Stephens, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: None (0)

The motion was PASSED.

Item 2: Award of Contract 17-0002 to G4S Secure Integration LLC for the purchase of Fiber Optic Maintenance and Management Services in an amount not to exceed \$44,748,312.50 (Tollway Request for Proposal).

Chairman Schillerstrom called for a motion to approve **Procurement Item 2**. Director Banks made a motion for approval; seconded by Director Johnson. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Banks, Director Johnson, Director Brooks, Director Dotson, Director Gomez, Director Gonzalez, Director Stephens, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: None (0)

The motion was PASSED.

Item 3: Award of Contract 17-0215 to Hamilton Consulting Engineers, Inc. for the purchase of Diversity Compliance Consultant Services in an amount not to exceed \$6,993,030.00 (Tollway Request for Proposal).

Chairman Schillerstrom called for a motion to approve **Procurement Item 3**. Director Banks made a motion for approval; seconded by Director Stephens. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion.

Director Dotson, observing that a bidder expressed concerns during Public Comment regarding the procurement process for this contract, inquired about the impact of potential Board actions to protest opportunities afforded interested parties. Directors and staff then discussed protest procedures, urgency of the work, and the selection process and metrics employed by the agency. Staff affirmed that the procurement action was performed in accordance with all state procurement procedures. Chairman Schillerstrom noted it is upon contract award that bidders not selected may avail themselves of the state's formal protest process, which would stay the contract until an independent review and determination is completed by the Chief Procurement Officer.

Hearing nothing further, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:



Yeas: Director Banks, Director Stephens, Director Brooks, Director Dotson, Director Gonzalez, Director Johnson, Director Vazquez Rowland, Chairman Schillerstrom (8)

Nays: Director Gomez (1)

The motion was PASSED.

***Item 4:** Amendment of Contract 13-0218 with SDI Presence LLC for the purchase of Technology Professional Services in an amount not to exceed \$2,374,000.00 (Tollway Request for Proposal).*

Chairman Schillerstrom called for a motion to approve **Procurement Item 4**. Director Stephens made a motion for approval; seconded by Director Johnson. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Stephens, Director Johnson, Director Banks, Director Brooks, Director Dotson, Director Gomez, Director Gonzalez, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: None (0)

The motion was PASSED.

***Item 5:** Award of Contract 18-0051 to Christian County Farmers Supply Co.; Conserv FS Inc.; G. Cooper Oil Company, Inc.; Mansfield Oil Company of Gainesville, Inc.; and Petroleum Traders Corporation for the purchase of Bulk Fuel in an aggregate amount not to exceed \$14,434,040.71 (Tollway Invitation for Bid).*

Chairman Schillerstrom called for a motion to approve **Procurement Item 5**. Director Banks made a motion for approval; seconded by Director Dotson. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Banks, Director Dotson, Director Brooks, Director Gomez, Director Gonzalez, Director Johnson, Director Stephens, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: None (0)

The motion was PASSED.

***Item 6:** Extension of Contract 18-0092 with Law Enforcement Systems, LLC for the purchase of Out-of-State Registration Retrieval Services in an amount not to exceed \$300,000.00 (Tollway Emergency).*



Chairman Schillerstrom called for a motion to approve **Procurement Item 6**. Director Dotson made a motion for approval; seconded by Director Banks. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Dotson, Director Banks, Director Brooks, Director Gomez, Director Gonzalez, Director Johnson, Director Stephens, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: None (0)

The motion was PASSED.

Engineering

Item 1: Award of Contract I-18-4423 to Fox Excavating, Incorporated for Building Removal, on the Tri-State Tollway (I-294) from Mile Post 17.8 (95th Street) to Mile Post 40.0 (Balmoral Avenue), in the amount of \$742,459.00.

Chairman Schillerstrom called for a motion to approve **Engineering Item 1**. Director Johnson made a motion for approval; seconded by Director Banks. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Johnson, Director Banks, Director Brooks, Director Dotson, Director Gomez, Director Gonzalez, Director Stephens, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: (0)

The motion was PASSED.

Item 2: Award of Contract RR-18-9017 to Meade, Inc. for Closed Circuit Television (CCTV) Camera and Ramp Detection Installation, Systemwide, in the amount of \$2,112,236.29.

Chairman Schillerstrom called for a motion to approve **Engineering Item 2**. Director Stephens made a motion for approval; seconded by Director Vazquez Rowland. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Stephens, Director Vazquez Rowland, Director Banks, Director Brooks, Director Dotson, Director Gomez, Director Gonzalez, Director Johnson, Chairman Schillerstrom (9)

Nays: (0)

The motion was PASSED.



Item 3: Acceptance of Proposal from Illinois Construction & Environmental Consulting, Inc., on I-16-4274 for Construction Management Services on the Reagan Memorial Tollway (I-88) at Mile Post 109.3 (IL Route 47), in an amount not to exceed \$2,099,997.98.

Chairman Schillerstrom called for a motion to approve **Engineering Item 3**. Director Banks made a motion for approval; seconded by Director Stephens. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Banks, Director Stephens, Director Brooks, Director Dotson, Director Gomez, Director Gonzalez, Director Johnson, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: (0)

The motion was PASSED.

Item 4: Acceptance of Proposal from STV, Incorporated, on RR-18-4382 for Bridge Reconstruction on the Tri-State Tollway (I-94) at Mile Post 7.5 (Stearns School Road), in an amount not to exceed \$1,485,608.40.

Chairman Schillerstrom called for a motion to approve **Engineering Item 4**. Director Johnson made a motion for approval; seconded by Director Stephens. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Johnson, Director Stephens, Director Banks, Director Brooks, Director Dotson, Director Gomez, Director Gonzalez, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: (0)

The motion was PASSED.

Item 5: Acceptance of Proposal from State Materials Engineering, LLC dba S.T.A.T.E. Testing, LLC, on RR-18-9206 for Materials Engineering Services, Systemwide, in an amount not to exceed \$19,894,939.18.

Chairman Schillerstrom called for a motion to approve **Engineering Item 5**. Director Banks made a motion for approval; seconded by Director Johnson. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Banks, Director Johnson, Director Brooks, Director Dotson, Director Gomez, Director Gonzalez, Director Stephens, Director Vazquez Rowland, Chairman Schillerstrom (9)



Nays: None (0)

The motion was PASSED.

Item 6: Acceptance of Proposal from Engineering Services Group, Inc., on Contract RR-14-9171 for Supplemental Construction Management Services Upon Request, Systemwide, in an amount of \$468,759.45 from \$3,000,000.00 to \$3,468,759.45.

Chairman Schillerstrom called for a motion to approve **Engineering Item 6**. Director Vazquez Rowland made a motion for approval; seconded by Director Dotson. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Vazquez Rowland, Director Dotson, Director Banks, Director Brooks, Director Gonzalez, Director Johnson, Director Stephens, Chairman Schillerstrom (8)

Nays: Director Gomez (1)

The motion was PASSED.

Legal

Item 1: Approval of an Intergovernmental Agreement with the City of Rockford for landscaping improvements near I-90 Jane Addams Memorial Tollway and Route 20. Cost to the Tollway: \$0.

Chairman Schillerstrom called for a motion to approve **Legal Item 1**. Director Vazquez Rowland made a motion for approval; seconded by Director Johnson. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Vazquez Rowland, Director Johnson, Director Banks, Director Brooks, Director Dotson, Director Gomez, Director Gonzalez, Chairman Schillerstrom (9)

Nays: None (0)

The motion was PASSED.

Item 2: Approval of an Intergovernmental Agreement with Cook County whereby the Tollway will convey three Tollway parcels to the County. The properties are necessary for the redevelopment of the Rosemont Transit Center. Cost to the Tollway: \$0.

Chairman Schillerstrom called for a motion to approve **Legal Item 2**. Director Dotson made a motion for approval; seconded by Director Banks. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion.



Director Stephens indicated he wishes to recuse himself from participation in the decision regarding this item.

Hearing nothing further, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Dotson, Director Banks, Director Brooks, Director Gomez, Director Gonzalez, Director Jonson, Director Vazquez Rowland, Chairman Schillerstrom (8)

Nays: None (0)

Recusals: Director Stephens (1)

The motion was PASSED.

Item 3: Approval of an Intergovernmental Agreement with the Board of Regents of the University of Illinois at Chicago for installation of a Bridge Weigh-In-Motion system at the I-294 Tri-State Tollway Northbound Thornton Quarry Bridge. Cost to the Tollway: estimated at \$146,755.00.

Chairman Schillerstrom called for a motion to approve **Legal Item 3**. Director Stephens made a motion for approval; seconded by Director Johnson. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Stephens, Director Johnson, Director Banks, Director Brooks, Director Dotson, Director Gomez, Director Gonzalez, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: None (0)

The motion was PASSED.

Item 4: Approval of an Intergovernmental Agreement with the Village of Willow Springs. The Tollway is interested in entering into three separate Intergovernmental Agreements to purchase three parcels of property from the Village of Willow Springs. These properties are necessary for the Tri-State reconstruction project. Cost to the Tollway: \$194,800.00.

Chairman Schillerstrom called for a motion to approve **Legal Item 4**. Director Banks made a motion for approval; seconded by Director Dotson. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Banks, Director Dotson, Director Brooks, Director Gomez, Director Gonzalez, Director Johnson, Director Stephens, Director Vazquez Rowland, Chairman Schillerstrom (9)



Nays: None (0)

The motion was PASSED.

Chairman Schillerstrom stated that without objection, action on Legal Item 5, concerning a litigation settlement, will be deferred until after consideration in Executive Session.

Executive Session

Chairman Schillerstrom called for a motion to enter Executive Session pursuant to exceptions provided in Sections 2(c)5 and 2(c)11 of the Illinois *Open Meetings Act* to consider Tollway matters related to the purchase or lease of real property and potential or pending litigation. Director Banks made a motion, pursuant to the sections specified, to enter Executive Session; seconded by Director Dotson. Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:

Yeas: Director Banks, Director Dotson, Director Brooks, Director Gomez, Director Gonzalez, Director Johnson Director Stephens, Director Vazquez Rowland, Chairman Schillerstrom (9)

Nays: None (0)

The motion was PASSED.

At approximately 10:18 a.m., the Board entered into Executive Session.

Return from Executive Session and Action (if any)

[Director Vazquez Rowland departed the Meeting during Executive Session at approximately 10:40 a.m.]

At approximately 10:42 a.m., the Board re-entered the public session of the Meeting.

Legal Item 5: Authorization to Enter a Litigation Settlement – ISTHA v. Tivin Property, LLC Case No. 2018 L 050037. Cost to the Tollway: As discussed in Executive Session.

Chairman Schillerstrom called for a motion to approve **Legal Item 5**, authorizing staff to enter a litigation settlement in the matter of *ISTHA v. Tivin Property*, consistent with terms discussed in Executive Session. Director Dotson made a motion for approval; seconded by Director Stephens. Chairman Schillerstrom asked if there are any questions, concerns or requests for discussion. Hearing nothing, Chairman Schillerstrom called for a roll call, the vote of yeas and nays being as follows:



Yeas: Director Stephens, Director Banks, Director Dotson, Director Brooks, Director Gomez, Director Johnson, Chairman Schillerstrom (7)

Nays: None (0)

Recusals: Director Banks (1)

The motion was PASSED.

Adjournment

There being no further business before the Board, Chairman Schillerstrom requested a motion to adjourn. Motion to adjourn was made by Director Johnson, seconded by Director Stephens. Chairman Schillerstrom called for a vote. The motion was PASSED unanimously.

The Meeting was adjourned at approximately 10:44 a.m.

Minutes taken by: _____

Christi Regnery
Board Secretary
Illinois State Toll Highway Authority

Electric Vehicle Charging Solutions Central Tri-State Tollway (I-294) Corridor



September 27, 201

CURRENT CHARGING SOLUTION

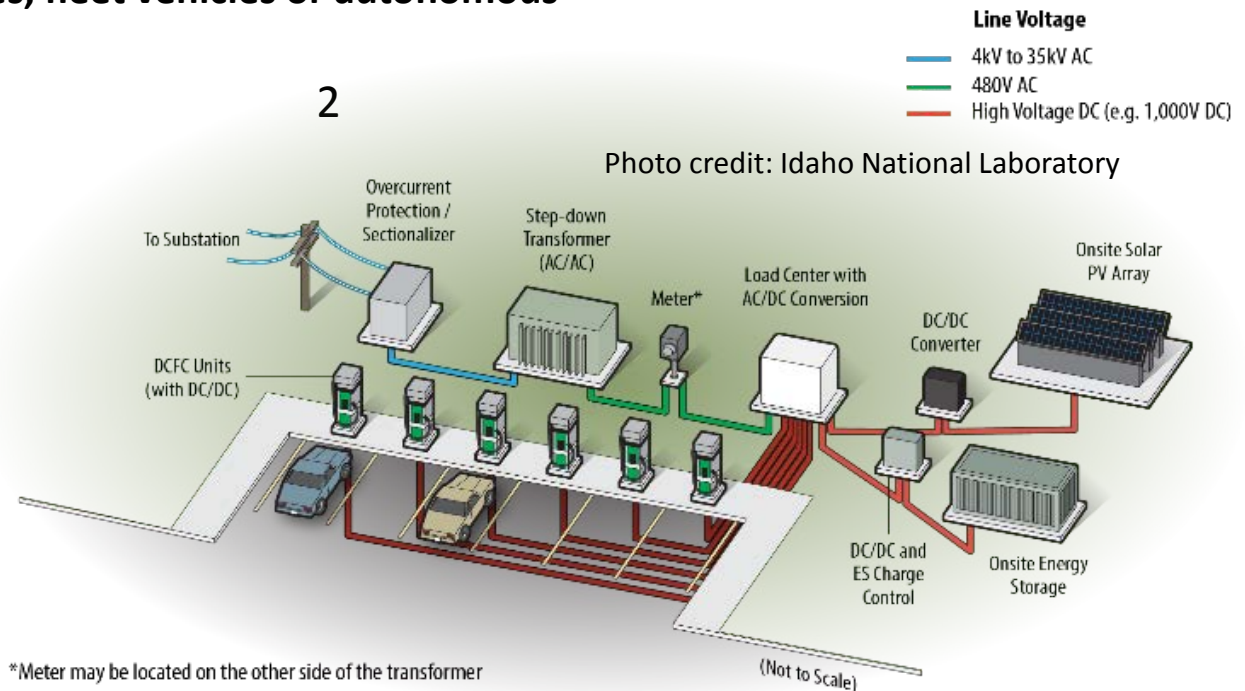
Conventional paradigm

Target: 15 minute charge

Costly infrastructure and demand charges

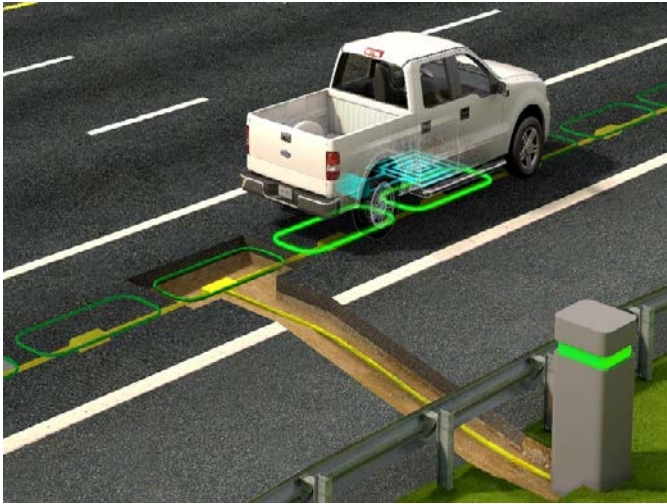
Rapid battery degradation with repeated fast charge

Not as suitable for larger vehicles, fleet vehicles or autonomous vehicles



SMART POWERED LANES

POWER AS YOU GO



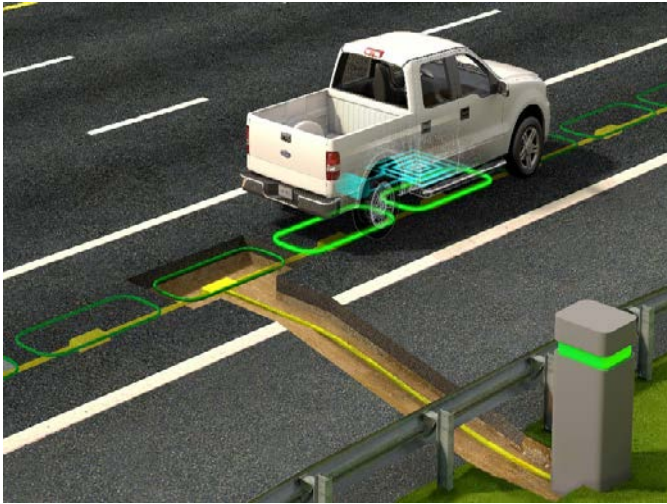
What are Smart Powered Lanes?

- Inductive charging technology buried under the pavement
- Power is transferred to using a receiver on the bottom of the vehicle frame
- Wirelessly charge a vehicles while driving in-motion at full speed



SMART POWERED LANES

POWER AS YOU GO



Concept

- Roadway embedded coils energize sequentially as vehicles pass over the pads
- Receiving coils on the vehicle deliver power to the drivetrain and charge the battery
- Reduces battery size on EVs and allows hybrid EVs to operate with zero emissions

Technical targets

- Continuous power to the vehicle at highway speeds
- Target 90%+ average efficiency, grid to battery

Grid impact

- Continuous and controllable load by averaging over long roadway sections of coils
- Local load for wind and solar power

Safety and compatibility

- Meet ICNIRP standards for safety
- Compatible with light to heavy duty vehicles



SMART POWERED LANES

POWER AS YOU GO

DRIVING TOWARD CHANGE



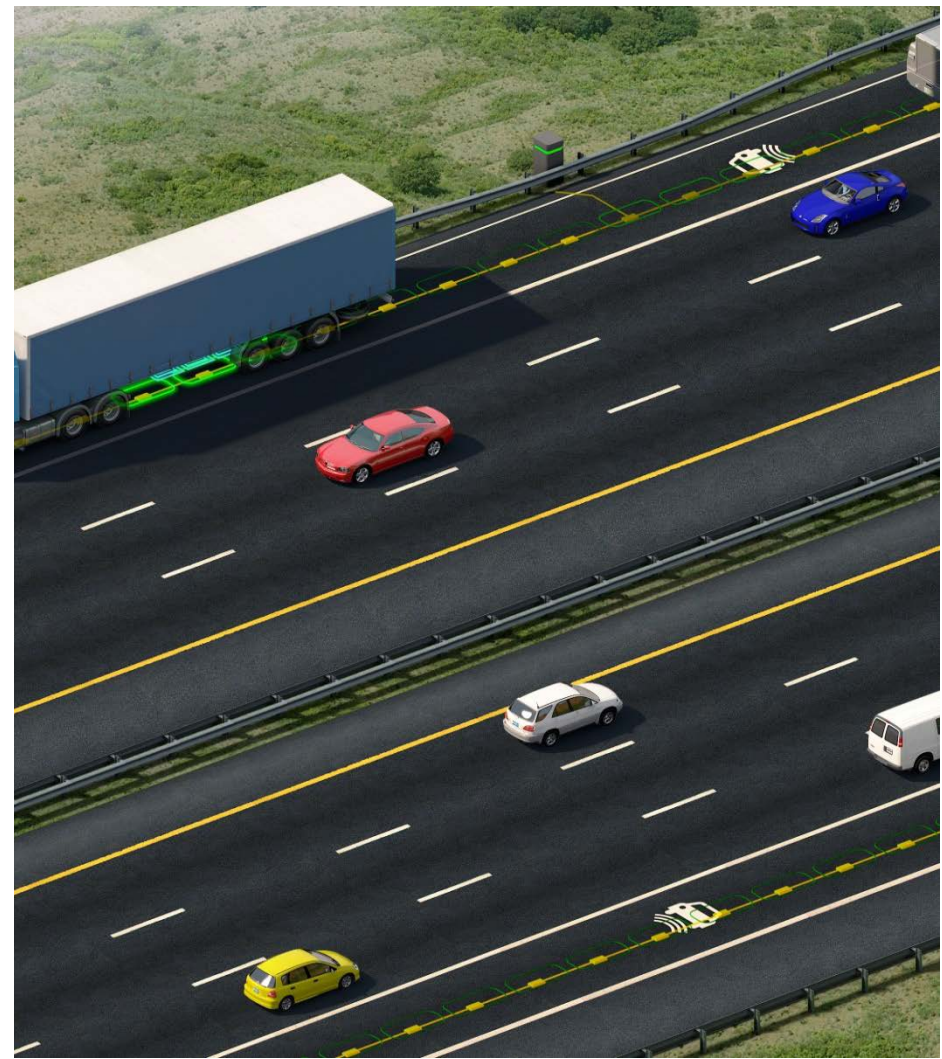
01 Energy storage shifted from battery to roadway



02 More consistent charging along a route



03 Lowers cost of electric vehicles with smaller batteries



SMART POWERED LANES

POWER AS YOU GO



PASSENGER VEHICLES

- Highest current adoption
- Substantial range and Technology advancements
- Range constrained by battery



TRUCKS

- Large focus for fleet conversion
- Technology development growing
- Freight capacity constrained by battery



FREIGHT TRUCKS

- Least developed technology
- Growing adoption
- Constrained by battery and operational efficiency

SMART POWERED LANES

POWER AS YOU GO

KEY BENEFITS

Better fleet efficiency with electric vehicles that don't need to stop to charge

Lower cost to electrify fleet vehicles



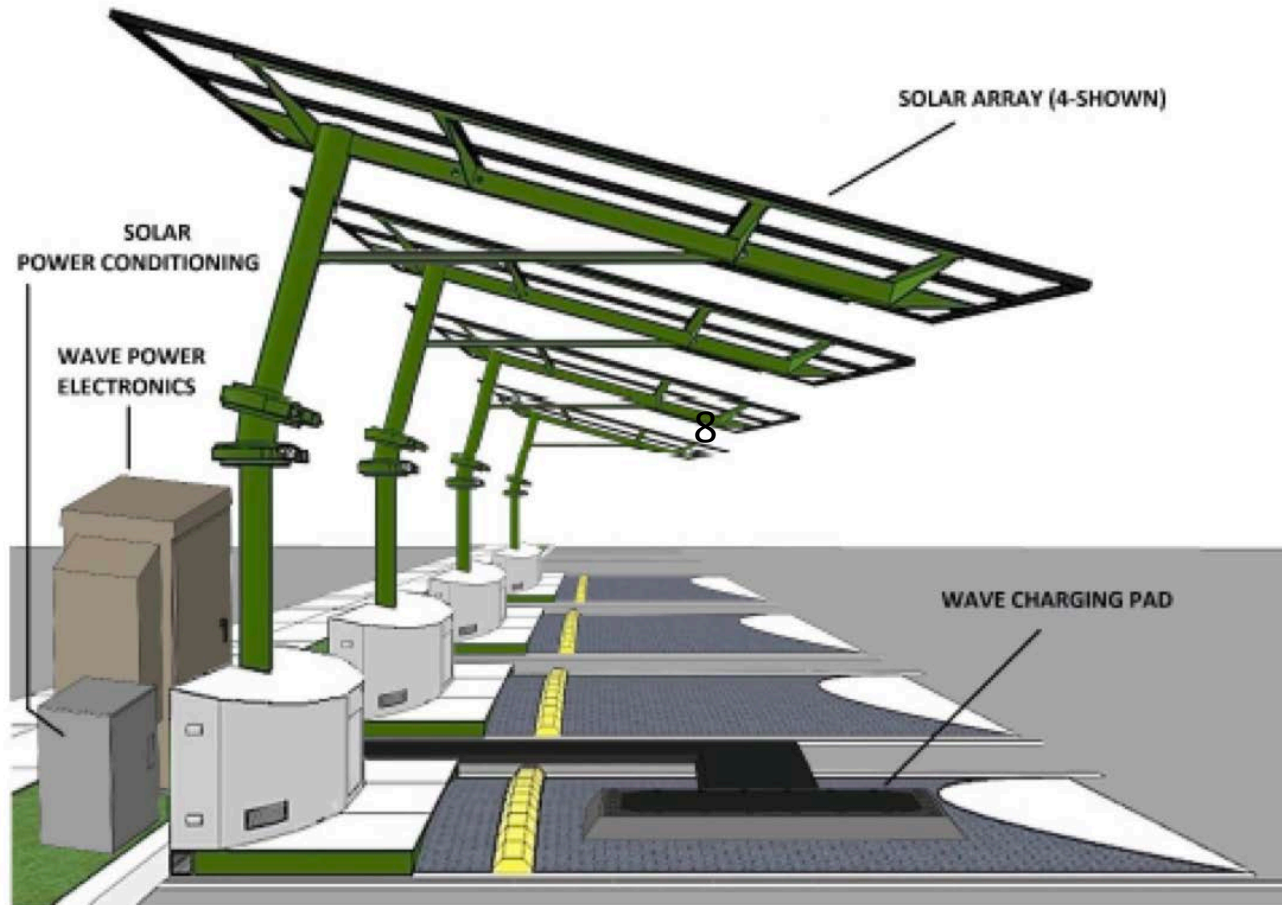
Cleaner vehicle fleets that are not reliant solely on fossil-based fuels

Reduce transportation operations costs



Minimal changes in operations, maintenance and required facilities

STATIC WIRELESS CHARGING



Shared Wireless Charging Infrastructure| Interoperability



Interoperability

