

THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION



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Victoria F. Sheehan Commissioner William Cass, P.E. Assistant Commissioner

His Excellency, Governor Christopher T. Sununu and the Honorable Council State House Concord, New Hampshire 03301 Bureau of Turnpikes May 31, 2022

REQUESTED ACTION

Authorize the Department of Transportation to retroactively enter into an Agreement with the E-ZPass Interagency Group (IAG), New York, NY (Vendor No. 175221), in the amount of \$1,050,000:00, for the development of the E-ZPass IAG Hub, including future operations and maintenance, for transaction processing and future nationwide interoperability, effective upon the date of Governor and Council approval through June 30, 2031. 100% Turnpike Funds.

Funds to support this request are available in the following accounts in State FY 2022 and FY 2023 and is contingent upon the availability and continued appropriation of funds in FY 2024, FY 2025, FY 2026, FY 2027, FY 2028, FY 2029, FY 2030, and FY 2031, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

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50,000	\$50,000	\$ 50,000	\$ 50,000	\$ 50,000			_		
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EXPLANATION

These requested actions are **retroactive** because the costs to the Turnpike System were not known until after award of the RFP by the IAG. It was also initially believed these incremental yearly costs could be considered as part of annual dues.

The Interagency Group (IÅG) is an association of 34 members in 19 states that manage an interoperable electronic toll collection system. The members operate independent Customer Service Centers (CSC) that enroll customers, issue them transponders, manage customer accounts, process transactions posting them to the appropriate customer accounts and settling with Away CSC for Home customer travel on away member facilities.

The IAG currently provides for tolling reciprocity amongst its members via a peer-to-peer file exchange methodology that facilitates peer-to-peer settlement reporting and associated financial settlements. Currently, each member is associated with a Customer Service Center (CSC) that is interconnected with all other Members via a private Multiprotocol Label Switching (MPLS) network. The Members are responsible for the creation and exchange of files via File Transfer Protocol (FTP) servers provided by each Member. The current reciprocity system is not designed to handle the future goals of scalability, national interoperability and near real time tag/account status updates. Due to the limitation inherent in the current aged data exchanged system, it is cumbersome and a costly interface control mechanism. The current system does not provide a viable

communication mechanism for electronic toll collection data exchange with other regions as mandated in the national 'Moving Ahead for Progress in the 21st Century Act' (MAP-21).

This project involves the development, deployment, operation, and maintenance of an IAG Interoperability (EZIOP) Hub that will be inserted, logically, between the IAG Members and serve as a central point of communication to and from all IAG Members and other future entities including Regional Hubs for toll agencies outside of the E-ZPass system. The RFP for an E-ZPass IAG Hub was developed in 2019 through 2020 and approved to release the RFP by the IAG Executive Management Committee (EMC) in May 2020. The IAG received eight (8) proposals for the Evaluation Committee to review, sent out vendor questions for response, and grading based on Technical and Business Scoring. In December 2020, the EMC approved proposal preliminary grading and selection of vendors to move forward into oral presentations reducing the viable proposals to five (5) for orals in Jan 2021. After orals and final grading, the costs were opened, and vendors were ranked in order and the IAG moved ahead with Best and Final Offers (BAFO) from the vendors in May 2021. The total cost of the E-ZPass IAG Hub contract is \$21,543,451.51

After the BAFO on September 9, 2021, EMC approved the recommendation of the Selection committee's vendor Electronic Transaction Consultants (ETC) IAG Resolution No 2021-09-02 and for Metropolitan Transportation Authority Bridges and Tunnels (MTAB&T) to move forward as the lead for IAG for contract development. Also, the annual EZIOP Hub Cost Assessment was approved per IAG Resolution NO. 2021-09-01 for each agency cost for design, development, and testing, which determined New Hampshire's share totaling \$1,050,000. The operations and maintenance cost were approved by the EMC December 9, 2021, under IAG Resolution NO. 2021-12-01. Notice to Proceed for the contract with ETC was provided in April 2022, and work commences thereafter.

By design, the HUB is expected to replace the existing IAG membership infrastructure. It is further anticipated to enable more efficient and timely processing of transactions, file transfers, and reconciliations. The EZIOP will support the continued growth of the IAG membership through the facilitation and streamlining of implementation for new IAG members; partner seamlessly with new third-party customer bases and payment solutions if the IAG members elect to do so, and access nationwide customers and guaranteed toll payments through national interoperability with other regional hubs. The three phases of the EZIOP Hub Project are described below:

Phase 1: Basic Data Transfer

- Notice to Proceed April 2022
- Facilitates current IAG data transfer
- EZIOP Hub to act as intermediary -accepting and forwarding all IAG data among the EZIOP Hub Participants

Phase 2: Inter-Hub Functionality

- Implementation Start November 2023
- Translates data to and from the National Interoperability (NIOP) to the IAG Specifications
- Achieves reciprocity with other Regional Hubs
- This phase will allow one tag to drive across the country and have all their toll transactions automatically charged to their one account; and each toll facility will get reimbursed from the driver's home account.

Phase 3: Enhanced EZIOP HUB Interface

- Implementation Start January 2025
- Brings EZIOP Hub Participants into compliance with the NIOP ICD with IAG enhancements
- Go-live September 2025.

Other benefits to the EZIOP Hub fewer required changes to our current system, less testing and coordination with other regional members especially new members, improve the file transfer efficiency and timeliness, reduce telecom costs, reduce local monitoring and maintenances costs related to the reciprocity system. The Hub will have minimal impact on the current local CSC back office and is a seamless path to national interoperability. This will give access to national customers base of electronic tolling users. It will provide account consolidation and reduce operation costs for customer service.

Listed below are answers to standard questions required for Governor and Council organization dues and membership approval submissions to assist with the understanding of the E-ZPass IAG:

1. How long has this organization been in existence and how long has this agency been a member of this organization?

The IAG was created in 1990. The Department has been a member of IAG for 19 years, since 2001.

2. Is there any other organization, which provides the same or similar benefits that your agency belongs to?

There are no other organizations that provide these benefits to the Department for the electronic toll industry in New Hampshire.

3. How many other states belong to this organization and is your agency the sole New Hampshire state agency that is a member?

IAG currently has 34 full member agencies or toll authorities in 19 states. The Department is the only NH state agency that is a member.

4. How is the dues structure established? (Standard fee for all states, based on population, based on other criteria, etc)

On September 9, 2021, IAG Executive Management Committee issued Resolution No. 2021-09-01 which resolved that the Annual Hub assessments are based on the Delivery Factor Model and the Cost per Transaction Model that calculates the annual hub assessment for delivery and operational costs based on each agency's reported interoperable (away agency) transactions from the prior year. While the amounts shown for future year assessments are intended to reflect the assessment amounts, they will be revisited on an annual basis and are subject to change.

5. What benefit does the state receive from participating in this membership?

The IAG enables the Department to provide the public with a seamless, accurate, interoperable electronic method of paying tolls while preserving and enhancing the E-ZPass program.

6. Are training or educational/research materials included in the membership? If so, is the cost included? Explain in detail.

No training or educational/research materials are included in the membership.

7. Is the membership required to receive any federal grants or required in order to receive or participate in licensing or certification exams? Explain.

This membership is not required to receive federal grants, participate in licensing or certification of exams.

8. Is there any travel included with this membership fee? Explain in detail any travel including the number of employees involved, the number of trips, destination of known and purposes of membership-supported trips.

Travel costs are not included in this membership fee; however, the Bureau of Turnpikes has sent employees to IAG meetings in previous years. The trips are budgeted in the Bureau's out of state travel account. Meetings are also attended by participating in teleconference calls.

9. Which state agency employees are directly involved with this organization? (Indicate if they are members, voting members, committee members, and /or officers of the organization.

The Turnpike Administrator represents the NHDOT Commissioner on the IAG executive committee. As a member of the IAG, the Commissioner represents the State and participates in the determination of practices, policies, procedures, and in the selection of equipment and contractors used to provide consistent toll collection throughout the region in accordance with the terms of the Interagency Agreement for Operations.

10. Explain in detail any negative impact to the state if the Agency did not belong to this organization.

Should the Department no longer be a member with IAG, the Department will no longer be able to participate in the E-ZPass program. Financial reciprocity with the 34 other agencies to seamlessly collect out-of-state revenue on electronic transactions would not be possible without participation in the IAG.

Your approval of this request is respectfully requested.

Sincerely,

Victoria F. Sheehan

Commissioner

Attachments

Phone: 302-577-1333



EZIOP HUB 2022 Annual Invoice

New Hampshire Dept. of Transportation
ATTIN: John Corcoran
NHDOT
PO Box 2950
Concord, NH 03302-2950

NET 45
Invoice Date:
4/18/2022 14:20
Amount Due:
\$ 50,000.00

This annual EZIOP hub assessment has been created and calculated per **Resolution No. 2021-09-01** "Approving the Finance Committee's Recommendation for the Cost Sharing Model to pay for the E-ZIOP Hub."

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Please make check or ACH payable to the Pennsylvania Turnpike Commission (PTC) E-ZPass InterAgency Fund: Hub Project

Check Instructions



Jeffrey Naugle Pennsylvania Turnpike Commission P.O. Box 67676 Harrisburg, PA 17106

ACH Instructions



Wells Fargo Bank, N.A. Philadelphia, PA

ABA Number: Account Number:





E-ZPass® INTERAGENCY GROUP EXECUTIVE MANAGEMENT COMMITTEE

Resolution No. 2021-09-01 Approving the Finance Committee's Recommendation for the Cost Sharing Model to pay for the E-ZIOP Hub

September 9, 2021

WHEREAS, the Full Member Agencies of the E-ZPass® Interagency Group ("IAG") entered into an Amended and Restated E-ZPass Operations Interagency Agreement dated as of August 13, 2015 ("Operating Agreement"), to jointly and cooperatively implement an electronic toll collection system known as E-ZPass; and

WHEREAS, the Full Member Agencies of the E-ZPass Interagency Group ("IAG") approved Amendment 1 to the Amended and Restated E-ZPass® Operations Interagency Agreement dated March 8, 2018 ("Amendment 1"); and

WHEREAS, the Full Member Agencies of the E-ZPass Interagency Group ("IAG") approved Amendment 2 to the Amended and Restated E-ZPass® Operations Interagency Agreement dated May 14, 2020; and

WHEREAS, the Operating Agreement establishes an Executive Management Committee ("EMC") to provide overall management of the IAG, including the development of an annual estimate of expenses to be incurred for the collective benefit of the Member Agencies and the establishment of a formula and procedure for sharing such expenses; and

WHEREAS, the Operating Agreement further provides that the EMC may administer, and review contracts entered into collectively or in parallel by the Members for common purposes related to E-ZPass, including the joint selection of contractors providing supplies and services related to the implementation, administration, and operation of E-ZPass; and

WHEREAS, the EMC approved the release of a Request for Proposals ("RFP") on behalf of the IAG to provide an interoperability Hub ("EZIOP Hub") per Resolution No. 2019-12-03; and

WHEREAS, the Metropolitan Transportation Authority Bridges & Tunnels (MTAB&T), on behalf of the IAG, released the EZIOP Hub RFP May 21, 2020, and

WHEREAS, the IAG Evaluation Committee reviewed and scored all the proposals received resulting in two vendors being presented to the IAG Selection Committee with the recommendation of one proposer; and

WHEREAS, upon the recommendation of the IAG Selection Committee, the IAG EMC anticipates approval of Resolution 2021-09-02 Approving the Selection Committee's Recommendation for the E-ZIOP; and

WHEREAS, in December 2020, the IAG EMC tasked the IAG Finance Committee with developing a recommended Hub cost sharing model for EMC consideration; and

WHEREAS, on August 23, 2021, the IAG Finance Committee voted unanimously to recommend the cost sharing model for the EZIOP Hub, a copy of which is attached hereto as Exhibit 1.

NOW, THEREFORE, BE IT RESOLVED THAT.

The IAG EMC approves the cost sharing model for the EZIOP Hub attached 1. hereto as "Exhibit 1".

The IAG Executive Management Committee adopted this Resolution this 9th day of September 2021.

Deborah Sharpless (Sep 10, 2021 08:16 EDT)

Deborah Sharpless

Chair, Executive Management Committee

PJ Wilkins (Sep 9, 2021 11:13 EDT)

PJ Wilkins IAG Executive Director

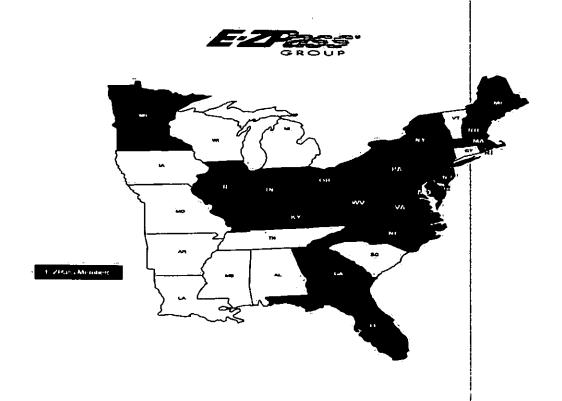


EXHIBIT 1

E-ZPass Interoperability Hub Cost Sharing Recommendation

Background

In December 2020 the IAG Executive Management Committee tasked the Finance Committee with developing a recommended cost sharing structure for the proposed interoperability hub. The cost sharing structure, once approved, will levy annual assessments from each agency that, in aggregate, are sufficient to support both the delivery and operations phases for the proposed hub. It is expected that any assessments levied for the proposed hub would be separate and apart from the annual operating assessments (annual dues) currently paid by member agencies.

To support the efforts of the Committee, a model was developed to help facilitate the review of various structures. Historical data for the previous two calendar years (2019 and 2020) was incorporated into the models and used as key variables, with assumptions being made for future year forecasts to consider impacts from the COVID-19 pandemic, particularly in the short term, along with organic growth.

On Monday, August 23rd the Finance Committee met to review and discuss the various cost sharing structures under consideration. After this discussion, the Committee voted unanimously to recommend the structure as outlined below to the EMC for consideration at the September 2021 meeting.

Note: It is important to note that the recommended structure, and initial assessment amounts, were based on the expectation that \$2,250,000 is made available from existing IAG operating reserves to be used for early development and implementation costs.

Recommended Model

The bifurcated approach considers the delivery and operations phases individually, with models being developed to levy assessments for each phase separately.

While the amounts shown for future year assessments are intended to reflect the assessment amounts necessary to ensure sufficient funding is in place to support both the delivery and operations of the hub, it is understood that these amounts will need to be revisited on an annual basis and are subject to change.

Delivery: Factor Model

The factor model calculates the annual hub assessment for delivery costs by establishing a base assessment that every agency would be responsible for regardless of reported transaction volumes. The factor model then adds a variable amount based on a factor (cost per transaction) applied to each agency's reported interoperable (away agency) transactions from the prior year. The tables below show the proposed base and maximum assessments that each agency would be responsible for along with the recommended cost per transaction applied to each agency's reported interoperable transactions. For 2022, there will be five agencies (CAB, MnDOT, KCDOT, STRA and FDOT) without a full year of interoperable data. The proposal would set 2022 assessments for these five agencies based on two percent (2%) of the total ETC transactions reported by those agencies for the previous year. It is expected that annual assessments for delivery and implementation would be assessed for a five year period, ending in 2026.

		Ann	iual Assessm	ent	
	2022	2023	2024	2025	2026
Base Assessment	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Maximum Assessment	50,000	50,000	50,000	50,000	50,000

			Annual Facto	r	
	2022	2023	2024	2025	2026
Cost per Transaction	0.003000	0.003000	0.003000	0.003000	0.003000

Operations: Cost per Transaction Model

The cost per transaction model calculates the annual hub assessment for operations by establishing a base assessment that every agency would be responsible for regardless of the number of transactions that traverse the hub. The model then adds a variable amount based on a factor (cost per transaction) applied to each agency's interoperable (away agency) transactions that traverse the hub. The tables below show the proposed base assessment that each agency would be responsible for along with the recommended cost per transaction applied to each agency's reported interoperable transactions. Based on the proposed implementation schedule, operations assessments would commence in 2024 based on 2023 reported transaction volumes.

	202.			Annual A	ssessment	• • • •	-		
	2024	2025	2026	2027	2028	2029	2030	2031	
Base Assessment	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	
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Cost per	2024	2025	2026	Annua 2027	Factor 2028	2029	2030	2031	

Interoperability Hub Assessment Summary – Projected Agency Costs

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07. 50.000 10,000 50,000 10,000 50,000 10,00	VPA	40, 291	40,191	40,795															92,209	\$2,200	91,487	- 93,497	94,763	94,76
CSC 94,500 97,700 99,100 99,100 99,100 103,500 103,500 10	OT.	50,000	10,000	30,000															40,730	40,230	40.634	4,54	41,047	41.04
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3- Resolution 2021-09-01 Approving Recommendation of the Finance Cmte Hub

Final Audit Report

2021-09-10

Created:

2021-09-09

By:

Linda Wiedenmann (Wiedenmann@e-zpassiag.com)

Status:

Signed.

Transaction ID:

CBUCHBCAABAAJkbHP2-swq1S0zlE8Wf2RHWy5G6hGeG8

"3- Resolution 2021-09-01 Approving Recommendation of the Finance Cmte Hub" History

- Document created by Linda Wiedenmann (Iwiedenmann@e-zpassiag.com) 2021-09-09 3:02:26 PM GMT- IP address: 73.165.89,98
- Document emailed to PJ Wilkins (pj.wilkins@e-zpassiag.com) for signature 2021-09-09 3:02:58 PM GMT
- Email viewed by PJ Wilkins (pj.wilkins@e-zpassiag.com) 2021-09-09 3:13:31 PM GMT- IP address: 47.6.22.85
- Document e-signed by PJ Wilkins (pj.wilkins@e-zpasslag.com)
 Signature Date: 2021-09-09 3:13:56 PM GMT Time Source: server- IP address: 47.6.22.85
- Document emailed to Deborah Sharpless (desharpless@mdta.state.md.us) for signature 2021-09-09 3:13:58 PM GMT
- Email viewed by Deborah Sharpless (desharpless@mdta.state.md.us) 2021-09-10 12:13:23 PM GMT- IP address: 104:47.64.254
- Document e-signed by Deborah Sharpless (desharpless@mdta.state.md.us)
 Signature Date: 2021-09-10 12:16:16 PM GMT Time Source: server- IP address: 170.93.140.42
- Agreement completed.
 2021-09-10 12:18:18 PM GMT