

Florida's Traffic Records Coordinating Committee

FY21 Projects

presented to
Executive Board

April 3, 2020

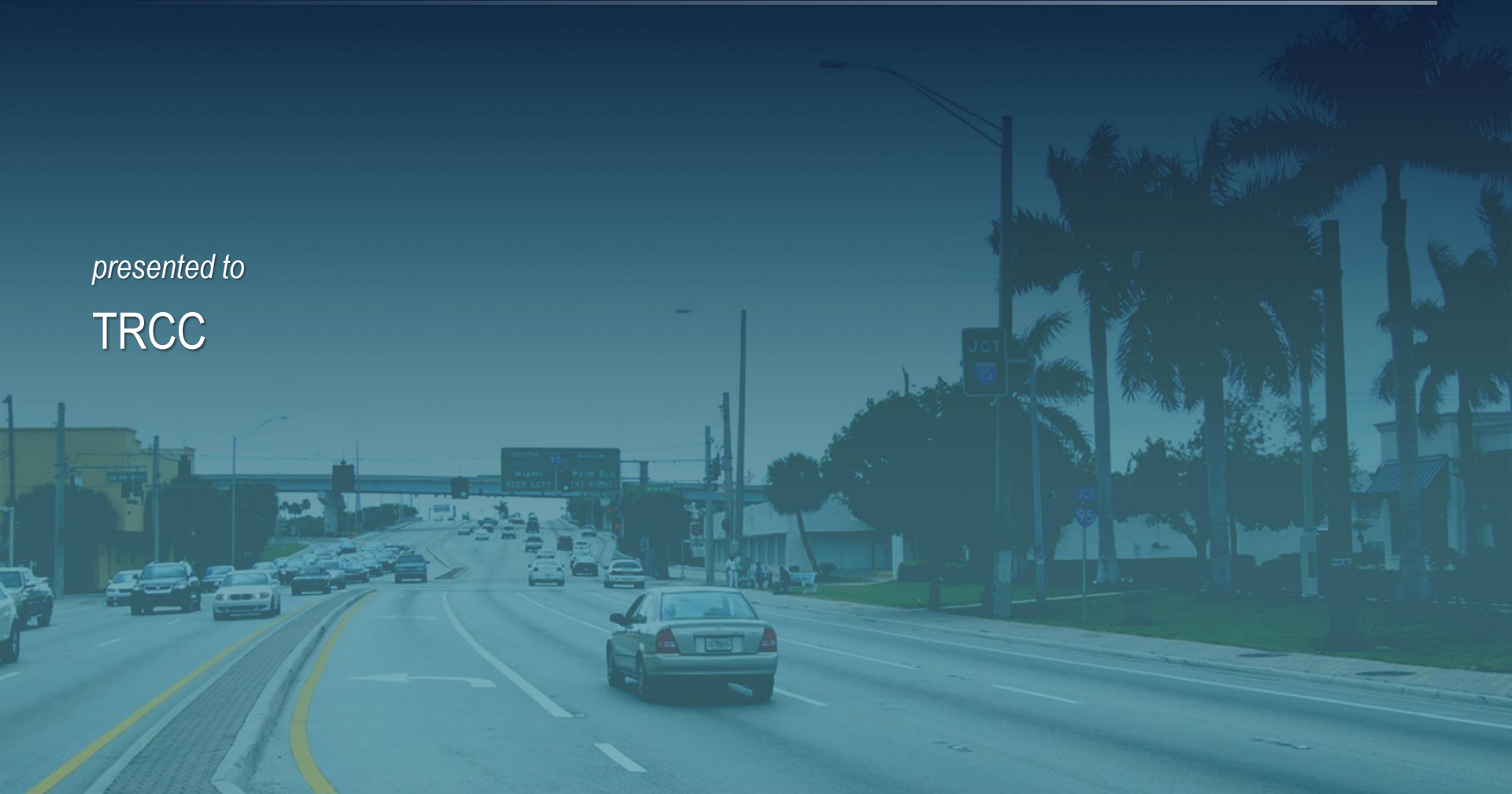
North Highland Final Report Out

presented to
TRCC



BREAK

presented to
TRCC



Critical Updates on TR Projects

presented to
TRCC

TSIS Strategic Plan 2017-2021

presented to
TRCC

Updates in progress for Section 4.0: Annual Implementation Updates:

- 4.1) Status Report on Current TR Projects (FY19/20)
- 4.2) Achievement of Measurable Progress- Quantitative Progress Report
- 4.3) Plans for FY20/21 Grant Funding for 405(c) and 402 projects

Important Dates

- Action Plan updates submitted- March 20, 2020 (compiling into TSIS)
- TSIS - Due date May 18, 2020



TSIS 2017-2021 / 405c Application

Quantitative Progress Report Submitted for pre-approval 4/2/2020

Performance Measure	Baseline 4/1/ 2018 to 3/31/2019	Baseline Average	Current 4/1/2019 to 3/31/2020	Current Average	Improvement
The average percent of accurately located e-crash reports submitted into the DHSMV Crash Master Database by LEAs using the Geo-Location tool.	E-Crash Reports Located: 105,506 of 699,883	15.07%	E-Crash Reports Located: 167,922 of 725,543	23.14%	8.07%
The percentage of Florida's public or private entities involved in EMS systems which have been licensed by the State of Florida, who are submitting NEMSIS V3 compliant run reports to the FDOH EMS Tracking and Reporting system (EMSTARS).	EMSTARS agencies reporting by NEMSIS V3 standards 134 of 203	66%	EMSTARS agencies reporting by NEMSIS V3 standards 194 of 211	91.9%	25.9%

Florida Section 405(c) State Application

presented to
TRCC

State Application

- **Due May 18, 2019 - FDOT for review**
- Due July 1, 2020 – Submit to NHTSA

Items to include:

- TSIS 2017-2021 (Section 4.0 Annual Implementation Updates)
- Action Plan
- Quantitative Progress Report (In Progress)
- TRCC Membership List (complete)
- Highway Safety Plan Project Summaries (complete)
- State Responses to Recommendations from Assessment
- Application



2020 Traffic Records Assessment

Proposed Schedule

2020	Sun	Mon	Tue	Wed	Thu	Fri	Sat
June		1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
July	28	29	30	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	1
August	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
September	30	31	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	1	2	3
October	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31

1-Month Call & STRAP Training

Kickoff Meeting

Round 1 Data Collection

Round 1 Analysis

Prep for Check-in

Check-in Meeting (TBD)

Round 2 Data Collection

Federal Holiday

Round 2 Analysis

Facilitator Round

NHTSA Review

Report Out (TBD)

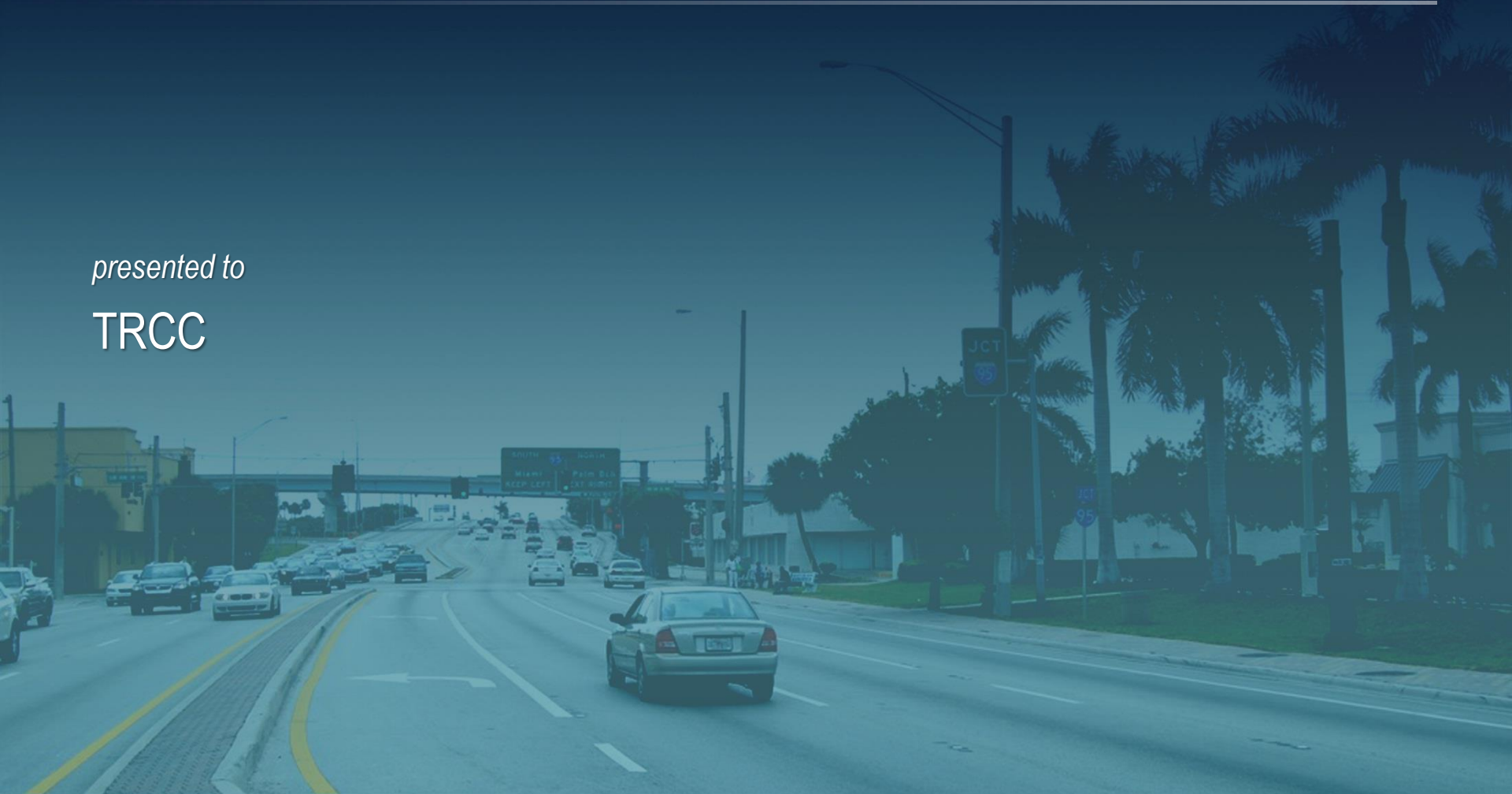
2020 Traffic Records Assessment

- State Traffic Records Assessment Program (STRAP):
 - In person NHTSA facilitated assessment
 - Through an online data management system, State respondents enter their answers and supporting documentation to questions they have been assigned.
 - Two opportunities to document system capabilities + On-Site Meeting
 - On-Site Meeting is a one-day meeting, typically 2-3 hours

State requirement to remain eligible for Section 405(c) traffic safety data improvement grant funds

BREAK

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Application Subcommittee Overview

presented to

Executive Board



FY21 TRCC/TR Project Submissions

Agency	Project Titles	Funding Source	Funding Requested
FDOH	Field Data Collection for National Emergency Medical Services Information System (NEMSIS)	405(c)	\$442,225
UF	Expanding Accessibility, Utilization, and Data Integration of Signal Four Analytics	405(c)	\$467,346
UF	Unified and Sustainable Solution to Improve Geo-Location Accuracy and Timeliness of Crashes and Citations	405(c) & 402	\$168,546
FSU	TraCS Support & Enhancement, and Training	405(c) & 402	\$924,268
FSU	ELVIS	405(c) & 402	\$542,490
FLHSMV	Crash and Uniform Traffic Citation (UTC) Data Improvement	405(c) & 402	\$123,300
FLHSMV	Driver Data Improvement (NEW PROJECT)	405(c) & 402	\$59,000
TCC	TRCC Support	402	\$27,500
UF	Geolocation-Based Crash Diagramming and FDOT Crash Mapping to Improve Crash Location Timeliness and Quality	402	\$556,758
UF	Central Crash Data Repository Crash Data Quality	402	\$189,339

Total 402 Requested	Total 405(c) Requested	Total Request
\$2,727,175	\$2,591,201	= \$3,500,772

FDOH: Field Data Collection for NEMSIS

Proposed Budget Items

Total Contractual Services - \$433,555

- Project Manager at \$75,225 (850 hrs)
- Technical Business Analyst at \$124,030 (1570 hrs)
- Data Modeler/Migration Specialist at \$125,600 (1570 hrs)
- Business Intelligence Analyst / Developer at \$70,000 (1000 hrs)
- Data Hosting Fee \$19,500
- Vendor Change Orders at \$19,200 (160 hours/\$120 per hour)

Total Expense \$8,670

- Travel \$8,670

Notes

DOH currently provides \$125,340 of the contractual services for this project: Contractors / Maintenance / Hosting Fees. This Concept Paper was submitted under Section 405(c) only.

- Contractual Services **increased** by \$5,670 - 2 contractor rates increased
- Expenses **decreased** by \$3,400.
 - o Travel expenses stayed the same and are needed for the following:
 - 2 members to attend the NEMSIS Technical Assistance conference
 - 2 members to attend the NASEMSO annual meeting for presentation and participation in NEMSIS data standardization
 - 3 members to conduct 4 quarterly workshops with the EMS Advisory Council Data Committee.

NEW TASK - In coordination with UF's S4 Analytics, the FLHSMV and the FDOT, the FDOH team will also be researching and implementing if possible, an EMS data exchange, along with possible traffic data linkage and integration opportunities in S4 Analytics.

TSIS Goals Impacted	Core Data Systems Impacted	Performance Area Impacted	FY20 Award	FY21 Request	FY20 VS FY21	Recommended Amount
Goal 1: Coordination Goal 2: Data Quality Goal 3: Integration Goal 4: Accessibility	EMS/ Injury Surveillance Crash Roadway Vehicle	Accessibility Accuracy Completeness Integration Timeliness Uniformity	\$439,955	\$442,225	+\$2,270	Section 405(c) \$442,225



UF: Expanding Accessibility, Utilization, and Data Integration of Signal Four Analytics

Proposed Budget Items

Total Personnel Services \$407,160

- Principal Investigator at \$6,272
- Geospatial Developer / Analyst at \$50,890
- IT System Administrator at \$9,500
- Administrative Assistant at \$5,595
- Software Developer at \$79,032
- Application Developer at \$46,170
- Program Manager at \$50,890
- Database Administrator / Developer at \$69,153
- Post Doc Associate at \$20,255
- Research Assistant at \$37,195
- Student Assistant at \$3,434

Total Expenses \$17,700

- Travel at \$5,200
- Server & Network Support at \$12,500

Total Indirect Cost \$42,486 (10%)

Notes

This Concept Paper was submitted under Section 405(c) only.

Request for Personnel Services **increased** by \$81,753 from FY20's award of \$325,407 due to the need for:

- o Program Coordinator/Manager (50% on S4, remaining time shared across 3 other projects) to assist Principle Investigator w/workload
- o Additional funding is requested for Database Developer (50% on S4 and 50% on Central Repository Project) to support the increase in DB work plus implementing EMS Data integration

- Expenses for travel remains the **same** at \$17,700.
- Indirect Costs have **increased** by \$8,175 from FY20's award of \$34,311.

NEW TASK- Explore data integration and linkage of EMS data into the S4 database by: Obtaining a selected subset of EMS data, establishing linkage elements, exploring linkage methods, applying the methods for a pilot dataset, and evaluating results and recommendation.

TSIS Goals Impacted	Core Data Systems Impacted	Performance Area Impacted	FY20 Award	FY21 Request	FY20 VS FY21	Recommended Amount
Goal 2: Data Quality Goal 3: Integration Goal 4: Accessibility Goal 5: Utilization	EMS/Injury Surveillance Crash Citation / Adjudication Roadway	Accessibility Accuracy Completeness Integration Timeliness Uniformity	\$377,418	\$467,346	+\$89,928	Section 405(c) \$467,346



UF: Unified and Sustainable Solution to Improve Geo-Location Accuracy and Timeliness of Crashes and Citations

Proposed Budget Items

Total Personnel Services \$128,624

- Principal Investigator at \$6,272
- Data Engineer at \$35,966
- IT System Administrator \$9,500
- Administrative Assistant at \$5,593
- Program Manager at \$20,356
- Research Assistant at \$37,729
- Student Assistant at \$13,208

Total Expenses \$24,600

- Travel at \$4,100
- Server & Network Support at \$20,500

Total Indirect Cost at \$15,322 (10%)

Notes

This Concept Paper was submitted under both 405(c) and 402. Recommended 405(c).

- Request for Personnel Services **increased** by \$2,381 from FY20's award of \$126,243.
- Expenses **decreased** by \$2,400 from FY20's award of \$27,000:
 - o Travel decreased to \$4,100
 - o Server and Network Support stayed the same at \$20,500
- Indirect Costs have **decreased** by \$2 to \$15,322.

NEW TASK- EMS Reports exhibit similar issues as crashes and citations when it comes to location accuracy. A new task to be accomplished this fiscal year will be to coordinate with the FDOH on exploring the use of this tool to map EMS reports and/or to identify possible solutions to obtain location data from EMS reports as we plan on data integration and linkage.

TSIS Goals Impacted	Core Data Systems Impacted	Performance Area Impacted	FY20 Award	FY21 Request	FY20 VS FY21	Recommended Amount
Goal 2: Data Quality Goal 3: Integration Goal 4: Accessibility Goal 5: Utilization	Crash Citation/ Adjudication Roadway EMS/Injury Surveillance	Accessibility Accuracy Completeness Integration Timeliness Uniformity	\$168,567	\$168,546	-\$21	<u>Section 405(c)</u> \$168,546

FSU: TraCS Support & Enhancement and Training

Proposed Budget Items

Total Personnel Services \$558,114

- Principal Investigator at \$26,361 (50%)
- Systems Administrator at \$100,946
- IT Support Specialist at \$73,598
- Programmer at \$111,667
- System Architect at \$141,894
- App. Developer at \$96,429
- Technician at \$7,219

Total Contractual Services \$141,471

- Data hosting fee plus secondary site fee at \$5,000
- Cloud Hosting & Services at \$136,471

Total Expenses \$140,659

- Software at \$29,999
- Computer Materials / Supplies at \$2,000
- Office Supplies at \$1,000
- Travel at \$13,000
- TraCS National Model Fee at \$85,000
- Cellular Devices & Services at \$7,760
- Background Screening Fees \$100
- Postage \$100
- Hardware at \$1,700

Total Indirect Costs at \$84,024 (10%)

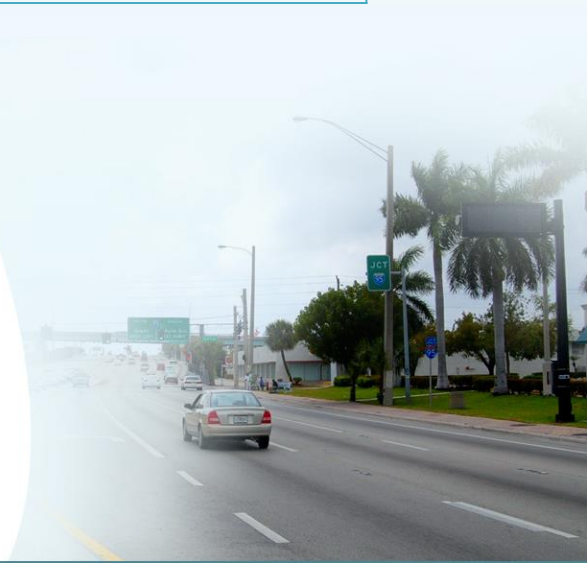
Notes

*This Concept Paper was submitted under both 405(c) and 402.
Recommended 405(c).*

- Request for Personnel Services has **decreased** by \$38,523 from FY20's award of \$596,637- Cloud hosting under CSA will allow for gained staff resources due to less software/hardware maintenance and reduces administrative upkeep for numerous software/hardware purchases (2 OPS staff cut)
- Contractual Services has **increased** by \$111,471 from FY20's award of \$30,00 due to Cloud Hosting to include software/hardware maintenance expenses. \$5,000 for data hosting is only to be used if necessary
- Expenses has **decreased** by \$38,159 from FY20's award of \$178,818
 - o TraCS National Model Fees has increased by \$10,000 from FY20's fee of \$75,000 to \$85,000
- Indirect Costs **increased** by \$3,478 from FY20's award of \$80,546

NEW TASK- Migrate the centralized hosting facility at the primary and secondary data hosting sites to a cloud (Azure) environment w/Digital Systems Management (DSM-approved by FDLE); Maintain centralized hosting for agencies and supporting servers with hosting at DSM; The Cloud-based solution will ensure minimal to no downtime since operations will not be dependent on physical hardware and it is designed to fail over instantaneously when hardware fails or when the load is greater than what a physical server can handle. This solution will provide support for all associated storage, hardware and most software (relieves administrative upkeep), and provides a team of network, system administrator, and security experts.

TSIS Goals Impacted	Core Data Systems Impacted	Performance Area Impacted	FY20 Award	FY21 Request	FY20 VS FY21	Recommended Amount
Goal 1: Coordination Goal 2: Data Quality Goal 3: Integration Goal 4: Accessibility Goal 5: Utilization	Crash, Citation / Adjudication Driver Roadway Vehicle	Accessibility Accuracy Completeness Timeliness Integration Uniformity	\$886,001	\$924,268	+\$38,267	Section 405(c) \$924,268



FLHSMV: Crash and UTC Data Improvement

Proposed Budget Items

Total Personnel Services \$116,200

- OPS Management Analyst at \$83,700 (\$55/1520hrs) plus benefits
- Part-time OPS Project Coordinator at \$32,500 (\$25/1300hrs) plus benefits

Total Expenses \$7,100

- Supplies \$500
- Printing \$600
- Travel \$6,000

Notes

This Concept Paper was submitted under both 405(c) and 402. Recommended 405(c).

- Request for Personnel **decreased** by \$1,294
- Expenses stayed the **same** as FY20 at \$7,100

NEW TASK- The crash program staff will develop and initiate a process to provide LEAs crash location accuracy reports using S4 data on a quarterly basis and establish minimum accuracy location standards. Note-Location proves to be key to data linkage.

TSIS Goals Impacted	Core Data Systems Impacted	Performance Area Impacted	FY20 Award	FY21 Request	FY20 VS FY21	Recommended Amount
Goal 2: Data Quality Goal 3: Integration Goal 4: Accessibility Goal 5: Utilization	Crash, Citation /Adjudication	Accuracy Completeness Uniformity	\$124,594	\$123,300	-\$1,294	Section 405(c) \$123,300

FLHSMV: Driver Data Improvement

Proposed Budget Items

Total Personnel Services \$58,000 for:

- OPS Project Analyst at \$58,000 w/benefits

Total Expenses \$1,000 for:

- Supplies \$1,000

Notes

This Concept Paper was submitted under both 405(c) and 402. Recommended 405(c).

NEW Project

Due to the high volume of incoming drivers, an electronic and automated process is needed to request and update the driver history record from other jurisdictions (to include out of state) to Florida's driver data set.

TSIS Goals Impacted	Core Data Systems Impacted	Performance Area Impacted	FY20 Award	FY21 Request	FY20 VS FY21	Recommended Amount
Goal 1: Coordination Goal 2: Data Quality Goal 3: Integration Goal 4: Accessibility Goal 5: Utilization	Driver	Accuracy Completeness Timeliness	N/A	\$59,000	N/A	Section 405(c) \$59,000

FSU: ELVIS

Proposed Budget Items

Total Personnel Services \$360,000

- Principal Investigator at \$27,000 (50%)
- System Architect at \$162,000
- System Administrator at \$95,000
- IT Support Specialist at \$76,000

Total Contractual Services \$22,500

- Data Hosting fees primary & secondary

Total Expenses \$110,672

- Software at \$31,720
- Computer Materials & Supplies at \$54,992
- Office Supplies at \$2,000
- Travel at \$16,750
- Cellular / Data Services at \$5,010
- Background Screening at \$100
- Postage at \$100

Total Indirect Costs at \$49,318 (10%)

Notes

This Concept Paper was submitted under both 405(c) and 402. Recommended 405(c).

- Requests for Personnel Services stayed the **same** as FY20's award of \$360,000
- Contractual Services **increased** by \$7,500 from FY20's award of \$15,000 to cover a secondary hosting site
- Expenses **increased** by \$14,006 from FY20's award of \$96,666
- Indirect Costs (10%) **increased** by \$2,151 from FY20's award of \$47,167.

TSIS Goals Impacted	Core Data Systems Impacted	Performance Area Impacted	FY20 Award	FY21 Request	FY20 VS FY21	Recommended Amount
Goal 2: Data Quality Goal 3: Integration Goal 4: Accessibility Goal 5: Utilization	Driver Vehicle	Accessibility Accuracy Completeness Integration Timeliness Uniformity	\$518,833	\$542,490	+\$23,657	Section 402 \$542,490

UF: Geolocation-Based Crash Diagramming and FDOT Crash Mapping to Improve Crash Location Timeliness and Quality

Proposed Budget Items

Total Personnel Services \$493,950

- Principal Investigator at \$25,084
- Data Engineer at \$50,343
- GIS Developer/Analyst at \$25,445
- IT System Administrator at \$9,498
- Administrative Assistant at \$9,323
- Program Coordinator at \$20,435
- Application Developer at \$84,677
- Senior App Developer at \$115,725
- Technical Support at \$79,032
- Graduate Assistant at \$37,194
- Graduate Assistant at \$37,194

Total Expenses \$12,194

- Travel at \$4,694
- Server & Network Support at \$7,500

Total Indirect Cost \$50,614 (10%)

Notes

Phase I of this project was executed March 27, 2020 (6 months of services).
This Concept Paper was submitted under Section 402 only.

- Request for Personnel Services **increased** by \$133,417 from FY20 award of \$360,533 due to timeframe of phase I
- Expenses stayed the **same** as FY20's award of \$12,194
- Indirect Costs have **increased** by \$13,341 from FY20's award of \$37,273

TSIS Goals Impacted*	Core Data Systems Impacted*	Performance Area Impacted*	FY20 Award	FY21 Request	FY20 VS FY21	Recommended Amount
Goal 1: Coordination Goal 2: Data Quality Goal 3: Integration Goal 4: Accessibility Goal 5: Utilization	Crash Roadway	Accessibility Accuracy Completeness Integration Timeliness Uniformity	\$410,000	\$556,758	+\$146,758	Section 402 \$556,758



UF: Central Crash Data Repository and Improved Crash Data Quality

Proposed Budget Items

Total Personnel Services \$166,726

- Principal Investigator at \$6,272
- Data Engineer at \$28,774
- IT System Administrator at \$9,500
- Administrative Assistant at \$3,730
- Program Coordinator at \$10,178
- Database Developer at \$71,920
- Post Doc at \$8,681
- Graduate Assistant at \$27,671

Total Expenses \$5,400

- Travel at \$2,400
- Server & Network Support at \$3,000

Total Indirect Cost \$17,213 (10%)

Notes

Phase I of this project was executed March 27, 2020 (6 months of services).

This Concept Paper was submitted under Section 402 only.

- Request for Personnel Services **decreased** by \$12,044 from FY20's award of \$166,726
- Expenses **increased** by \$2,352 from FY20's award of \$3,048
- Indirect Costs have **decreased** by \$969 from FY20's award of \$17,213

TSIS Goals Impacted*	Core Data Systems Impacted*	Performance Area Impacted*	FY20 Award	FY21 Request	FY20 VS FY21	Recommended Amount
Goal 1: Coordination Goal 2: Data Quality Goal 3: Integration Goal 4: Accessibility Goal 5: Utilization	Crash	Accessibility Accuracy Completeness Integration Timeliness Uniformity	\$200,000	\$189,339	-\$10,661	Section 402 \$189,339



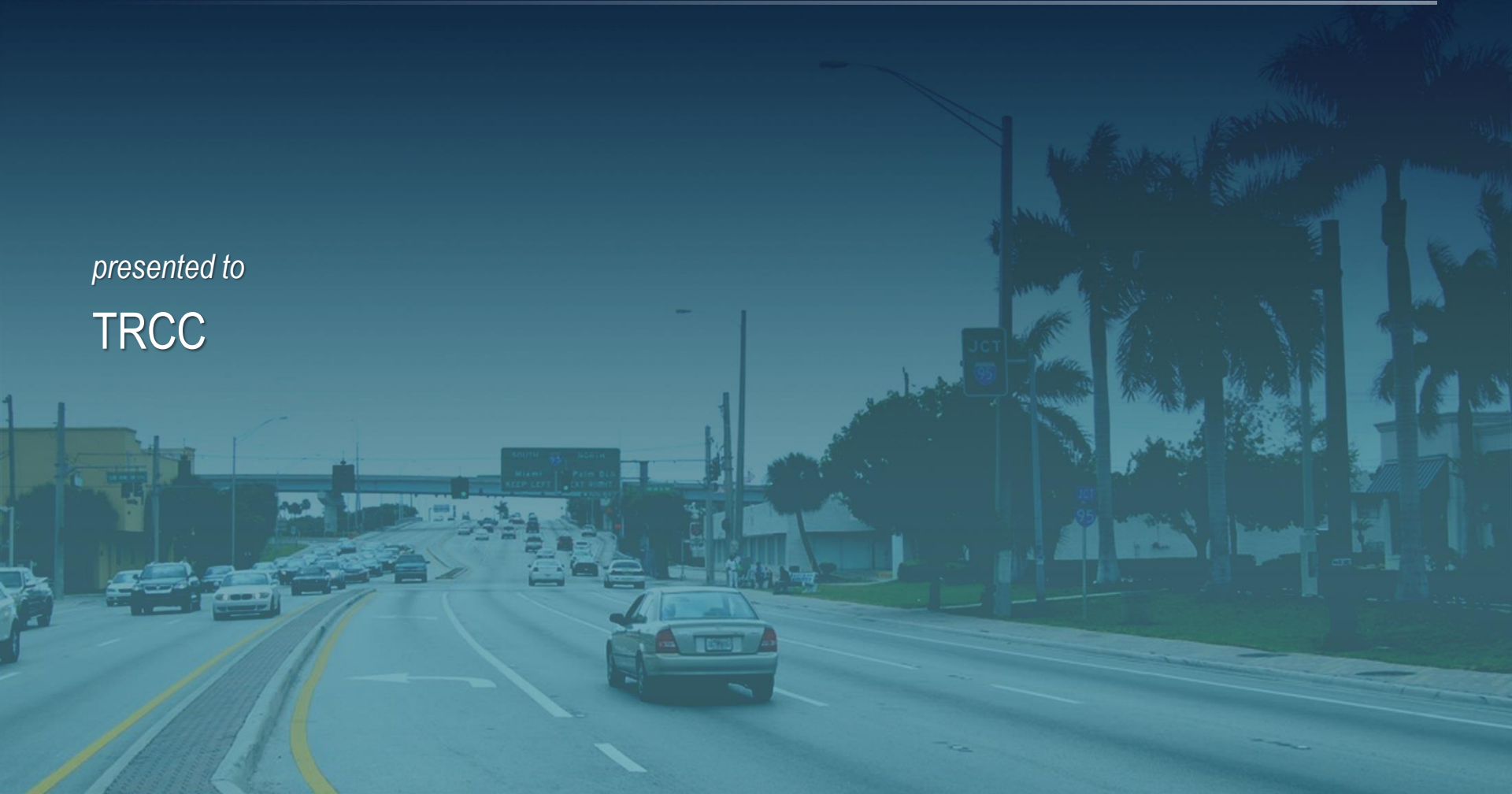
Subcommittee Recommendations - Statewide Projects

Agency	Project Titles	Funding Requested	Funding Source	Subcommittee NOTES
FDOH	Field Data Collection for NEMSIS	\$442,225	405(c)	All costs reasonable- Fully Fund
UF	Expanding Accessibility, Utilization, and Data Integration of Signal Four Analytics	\$467,346	405(c)	All costs reasonable- Fully Fund
UF	Unified and Sustainable Solution to Improve Geo-Location Accuracy and Timeliness of Crashes and Citations	\$168,546	405(c)	All costs reasonable- Fully Fund
FSU	TraCS Support & Enhancement	\$924,268	405(c)	All costs reasonable- Fully Fund
FLHSMV	Crash and UTC Data Improvement	\$123,300	405(c)	All costs reasonable- Fully Fund
FLHSMV	Driver Data Improvement (NEW PROJECT)	\$59,000	405(c)	All costs reasonable- Fully Fund
FSU	ELVIS	\$542,490	402	All costs reasonable- Fully Fund
TCC	TRCC Support	\$27,500	402	All costs reasonable- Fully Fund
UF	Geolocation-Based Crash Diagramming and FDOT Crash Mapping to Improve Crash Location Timeliness and Quality	\$556,758	402	All costs reasonable- Fully Fund
UF	Central Crash Data Repository Crash Data Quality	\$189,339	402	All costs reasonable- Fully Fund

Total 402	Total 405(c)	Grand Total for ALL Projects
\$1,316,087	\$2,184,685	\$3,500,772

Executive Board Vote

presented to
TRCC



Future Meeting Dates

September 11, 2020

Status of FY2021 Projects and Critical Updates on Current TR Projects

December 4, 2020

Critical Updates on FY21 TR Projects

Future Date TBD (April 2021)

Executive Board Voting Meeting: FY22 Projects

Application Subcommittee Review TBD (March 2020)

Meeting Adjourned Thank you!

presented to
TRCC

