DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1.	Contract Name as shown in the advertisement	**TRAFFIC DATA COLLECTION AND MONITORING SERVICES STATEWIDE**
2.	Contract Number(s) as shown in the advertisement	4400028301 AND 4400028302
3.	State Project Number(s), if shown in the advertisement	H.972500.1
4.	Prime consultant name **(name must match as registered with the Louisiana Secretary of State where such registration is required by law**)	NATIONAL DATA AND SURVEYING SERVICES, INC.
5.	Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	N/A - LAPELS Waiver accepted/active
6.	Prime consultant mailing address	1535 S La Cienega Blvd, Los Angeles, CA 90035
7.	Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	3032 Ridgelake Dr, Suite 103, Metairie, LA, 70002
8.	Name, title, phone number, and email address of prime consultant's contract point of contact	**Kevin Deal**, COO 323-782-0090 kevd@ndsdata.com
9.	Name, title, phone number, and email address of the official with signing authority for this proposal	**Abraham Tashman**, CEO/President 323-782-0090 avi.tashman@ndsdata.com

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	==Signature above shall be the same person listed in Section 9:== **December 12th, 2023** ==Date:==
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Firm(s)' %:

12. Past Performance Evaluation Discipline Table:

As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract.

The **only** past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).

Sub-consultants are not allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, and the percentage of work in each past performance evaluation discipline to be performed. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. (Add rows as needed)

Past Performance Evaluation Discipline(s)	% of Overall Contract
Data Collection	100%

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses.

The DOTD Job Classification(s) to be used can be found at the following link:
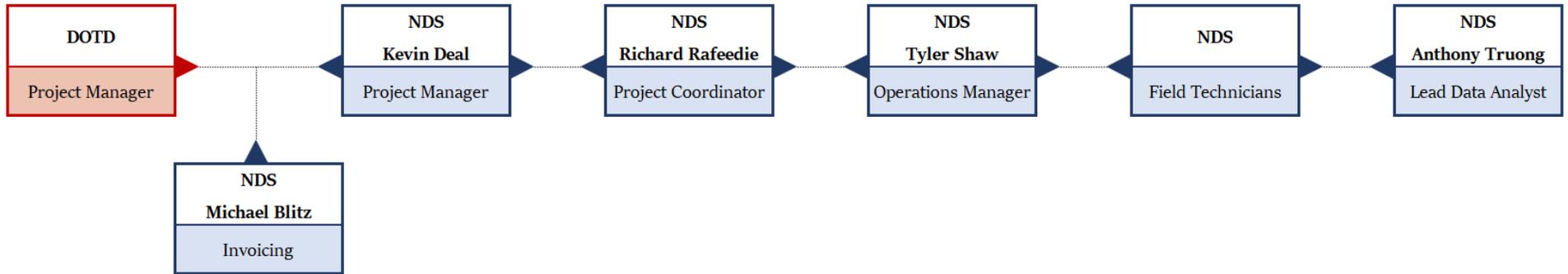
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
National Data and Surveying Services, Inc	Accountant	1	2
National Data and Surveying Services, Inc	Administrative	1	3
National Data and Surveying Services, Inc	Professional	2	7
National Data and Surveying Services, Inc	Principal	1	2
National Data and Surveying Services, Inc	Senior Technician	1	2
National Data and Surveying Services, Inc	Supervisor-Other	1	1
National Data and Surveying Services, Inc	Technician	4	6

(Add rows as needed)

14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. **If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.** It is acceptable to use an 11x17 format for Section 14.

DOTD	NDS Kevin Deal	NDS Richard Rafeedie	NDS Tyler Shaw	NDS	NDS Anthony Truong
Project Manager	Project Manager	Project Coordinator	Operations Manager	Field Technicians	Lead Data Analyst

NDS
Michael Blitz
Invoicing

Personnel	Role	Responsibilities
Kevin Deal	NDS Project Manager	Overall contract management
Richard Rafeedie	NDS Project Coordinator	Contract planning, scheduling, execution, communication, progress reports, quality control, updates, data collection
Tyler Shaw	NDS Operations Manager	Work Zone Safety, field safety, field audits, field data collection, and execution oversight.
NDS Field Technician		Work Zone Safety, field safety, field data collection
Anthony Truong	NDS Lead Data Analyst	Quality assurance, data preparation, and data delivery

National Data and Surveying Services, Inc.

15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Kevin Deal	National Data and Surveying Services, Inc.	N/A	N/A	N/A
2	Kevin Deal	National Data and Surveying Services, Inc.	N/A	N/A	N/A
3	Richard Rafeedie	National Data and Surveying Services, Inc.	N/A	N/A	N/A

(Add rows as needed)

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be **limited to 2 pages per person**. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by National Data and Surveying Services			
Name	Kevin Deal	Years of relevant experience with this employer	19
Title	COO	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2004 / Production and Engineering	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Project Manager** / Mr. Deal ensures contract compliance as well as adherence to data collection standards, schedule, and delivery requirements. Mr. Deal has been the Project Manager for all major NDS contracts throughout the nation for nearly 20 years, accruing unparalleled data collection experience that will be used to support this contract at every stage.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the ~~time~~ years of experience specified in the applicable MPR(s).		
01/21 - Present	**NYSDOT Traffic Count Program**: Mr. Deal, Project Manager, manages annual traffic counts consisting of approximately 3,000 ATR Classification counts, 3,000 ATR Volume counts, 1,000 TMCs with pedestrians, bikes, buses, heavy trucks, and RTOR, as well as 100 Pedestrian and Bicycle counts. Mr. Deal is responsible for the successful execution of all aspects of this contract.		
05/19 - Present	**NYCDOT Citywide Data Collection, Tabulation and Analysis:** Mr. Deal, Project Manager, manages annual traffic counts consisting of approximately 3,200 ATR counts, 2,800 TMCs, 600 Pedestrian counts, 700 Bicycle counts, and 180 Spot Speed Radar counts. Mr. Deal is responsible for the successful execution of all aspects of this contract.		
06/23 – Present	**City of Dallas Professional Traffic Counting Services**: Mr. Deal, Project Manager, manages on-call traffic counts that have thus far consisted of 122 24hr speed machine counts, 40 2.5hr to 4hr turning movement counts with pedestrians, and 3 2.5hr gap studies. Mr. Deal is responsible for the successful execution of all aspects of this contract.		
07/05 - Present	**LADOT On-Call Traffic Data Collection**: Mr. Deal, Project Manager, manages annual traffic counts consisting of 2,000 ATR counts, 51 pedestrian/bicycle screenline counts, 500 pedestrian studies, and 1,000 TMCs with pedestrians (adults vs. kids), bikes, buses (metro vs. school), and heavy trucks. Mr. Deal is responsible for the successful execution of all aspects of this contract.		
05/05 - Present	**City of Sacramento On-Call Traffic Data Collection**: Mr. Deal, Project Manager, manages annual traffic counts consisting of approximately 60 TMCs and 300 ATR Speed counts. Mr. Deal is responsible for the successful execution of all aspects of this contract.		
11/23 – 12/23	**N Perkins Ferry Rd. Data Collection, Sub to Intelligent Transportation Systems, Moss Bluff, LA:** Mr. Deal, Project Manager, managed efforts for 16 7-day classification and speed machine counts as well as 5 12hr turning movement counts		

	with unmet demand, pedestrians, bicycles, passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13). Mr. Deal was responsible for the successful execution of all aspects of this project.
07/22 – 11/22	**I-10 Calcasieu River Bridge P3, Sub to WSP, Lake Charles, LA:** Mr. Deal, Project Manager, managed efforts on two separate occasions for 54 7-day classification mainline and ramp counts. Mr. Deal was responsible for the successful execution of all aspects of this project.
11/22 – 12/22	**St. Bernard Parish- Bridge ADT, Sub to Vectura, Chalmette, LA:** Mr. Deal, Project Manager, managed efforts for 21 7-day volume machine counts. Mr. Deal was responsible for the successful execution of all aspects of this project.
12/22 – 12/22	**Iowa, LA Traffic Counts, Sub to Neel-Schaffer, Iowa, LA:** Mr. Deal, Project Manager, managed efforts for 28 48hr classification machine counts, 3 7-day classification machine counts, 17 6hr turning movement counts with heavy vehicles (FHWA 4+), and 30 15min AM/PM driveway counts with heavy vehicles (FHWA 4+). Mr. Deal was responsible for the successful execution of all aspects of this project.
09/22 – 01/23	**LA 30 Traffic Study, Sub to Arcadis, Gonzales, LA:** Mr. Deal, Project Manager, managed efforts for 3 7-day classification machine counts; 53 48hr classification machine counts; 1 48hr classification count via camera; 17 6hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), heavy trucks (FHWA 8-13), and unmet demand; 114 15min AM/PM driveway counts with passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), and heavy trucks (FHWA 8-13); and 2 radar spot-speed surveys. Mr. Deal was responsible for the successful execution of all aspects of this project.
11/22 – 02/23	**Airline Hwy Baton Rouge, Sub to Gresham Smith, Baton Rouge, LA:** Mr. Deal, Project Manager, managed efforts for 32 48hr classification machine counts, 150 15min AM/PM driveway counts, and 2 radar spot-speed surveys. Mr. Deal was responsible for the successful execution of all aspects of this project.
01/22 – 04/22	**Walker Data Collection, Sub to Urban Systems, Walker, LA**: Mr. Deal, Project Manager, managed efforts for 2 7-day classification machine counts; 16 48hr classification machine counts; 1 48hr classification count via camera; 12 4hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), heavy trucks (FHWA 8-13), and unmet demand; and 66 driveway counts. Mr. Deal was responsible for the successful execution of all aspects of this project.
08/22 – 11/22	**Contract No. 44-18271; to No. H.014746.1, Sub to Neel-Schaffer, Baton Rouge, LA**: Mr. Deal, Project Manager, managed efforts for 4 7-day classification machine counts; 23 48hr classification machine counts; 2 48hr classification counts via camera; and 24 15min AM/PM driveway counts with passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), and heavy trucks (FHWA 8-13). Mr. Deal was responsible for the successful execution of all aspects of this project.
11/21 – 12/21	**US 190 Mandeville, Sub to Neel-Schaffer, Mandeville, LA**: Mr. Deal, Project Manager, managed efforts for 29 48hr classification machine counts; 20 6hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), heavy trucks (FHWA 4+), and RTOR; 94 15min AM/PM driveway counts with passenger vehicles (FHWA 1-3) and heavy trucks (FHWA 8-13); and 2 radar spot-speed surveys. Mr. Deal was responsible for the successful execution of all aspects of this project.

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be **limited to 2 pages per person**. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by National Data and Surveying Services			
Name	Richard Rafeedie	Years of relevant experience with this employer	7
Title	South Central Regional Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2011 / Business Administration	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Project Coordinator** / Mr. Rafeedie will be the direct contact for all DOTD needs. Mr. Rafeedie will manage scheduling, monitor data submission, coordinate with our analyst team, and ensure timely deliveries to the DOTD. Mr. Rafeedie will also contribute to the field data collection efforts as needed. Mr. Rafeedie's expertise includes field operations, project coordination, and study development. For over 7 years he managed operations on a national level from Los Angeles, CA before transferring to take over both client and operations management for the entire South Central Region out of Metairie, LA. He has successfully managed thousands of turning movement counts, pedestrian and bicyclist counts, machine counts, and has also assisted in the successful coordination and collection of hundreds of specialized studies.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the ~~time~~ years of experience specified in the applicable MPR(s).		
01/21 - Present	**NYSDOT Traffic Count Program**: Mr. Rafeedie, Project Coordinator, directly schedules and manages the field collection efforts for annual traffic counts consisting of approximately 3,000 ATR Classification counts, 3,000 ATR Volume counts, 1,000 TMCs with pedestrians, bikes, buses, heavy trucks, and RTOR, as well as 100 Pedestrian and Bicycle counts. Mr. Rafeedie ensures that all collection efforts are completed within budget and on schedule.		
06/23 – Present	**City of Dallas Professional Traffic Counting Services**: Mr. Rafeedie, Project Coordinator, directly schedules and manages the field collection efforts for annual traffic counts that have thus far consisted of 122 24hr speed machine counts, 40 2.5hr to 4hr turning movement counts with pedestrians, and 3 2.5hr gap studies. Mr. Rafeedie ensures that all collection efforts are completed within budget and on schedule.		
11/23 – 12/23	**N Perkins Ferry Rd. Data Collection, Sub to Intelligent Transportation Systems, Moss Bluff, LA:** Mr. Rafeedie, Project Coordinator, directly scheduled and managed the field collection efforts for 16 7-day classification and speed machine counts as well as 5 12hr turning movement counts with unmet demand, pedestrians, bicycles, passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13). Mr. Rafeedie ensured that all collection efforts were completed within budget and on schedule.		

11/23 – 12/23	**Pasadena, TX Traffic Counts, Sub to RPS Group, Pasadena, TX:** Mr. Rafeedie, Project Coordinator, directly scheduled and managed the field collection efforts for 20 6hr turning movement counts. Mr. Rafeedie ensured that all collection efforts were completed within budget and on schedule.
11/23 – 12/23	**Tomball, TX Traffic Counts, Sub to Kimley-Horn, Tomball, TX**: Mr. Rafeedie, Project Coordinator, directly scheduled and managed the field collection efforts for 2 24hr volume machine counts and 4hr turning movement counts with pedestrians, bicycles, and heavy vehicles (FHWA 4-13). Mr. Rafeedie ensured that all collection efforts were completed within budget and on schedule.
11/23 – 11/23	**Fort Worth, TX Traffic Counts, Sub to DeShazo Group, Fort Worth, TX**: Mr. Rafeedie, Project Coordinator, directly scheduled and managed the field collection efforts for 19 5hr turning movement counts with pedestrians and bicycles. Mr. Rafeedie ensured that all collection efforts were completed within budget and on schedule.
10/23 – 11/23	**Racetrac/Vidalia TIA, Sub to Alliance Transportation Group, Vidalia, LA:** Mr. Rafeedie, Project Coordinator, directly scheduled and managed the field collection efforts for 1 7-day classification machine count, 5 2-day classification machine counts, and 5 4hr turning movement counts with unmet demand, passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13). Mr. Rafeedie ensured that all collection efforts were completed within budget and on schedule.
09/23 – 10/23	**Prater Rd. Data Collection, Sub to Intelligent Transportation Systems, Springfield, LA:** Mr. Rafeedie, Project Coordinator, directly scheduled and managed the field collection efforts for 5 7-day classification and speed machine counts as well as 4 6hr turning movement counts with unmet demand, passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13). Mr. Rafeedie ensured that all collection efforts were completed within budget and on schedule.
08/23 – 09/23	**Seagoville - Traffic Counts, Sub to Binkley & Barfield, Seagoville, TX**: Mr. Rafeedie, Project Coordinator, directly scheduled and managed the field collection efforts for 2 48hr volume machine counts and 13 48hr turning movement counts with passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13). Mr. Rafeedie ensured that all collection efforts were completed within budget and on schedule.
08/23 – 08/23	**Baton Rouge Data Collection, Sub to Neel-Schaffer, Baton Rouge, LA:** Mr. Rafeedie, Project Coordinator, directly managed the data reduction efforts for 9 8hr turning movement counts with unmet demand, pedestrians, bicycles, passenger vehicles (FHWA 1-3), duals (FHWA (4-7), and heavy trucks (FHWA 4+). Mr. Rafeedie ensured that all collection efforts were completed within budget and on schedule.
07/17 – 11/19	**LADOT On-Call Traffic Data Collection**: Mr. Rafeedie, Senior Operations Manager, directly oversaw the scheduling and field collection efforts for annual traffic counts consisting of 2,000 ATR counts, 51 pedestrian/bicycle screenline counts, 500 pedestrian studies, and 1,000 TMCs with pedestrians (adults vs. kids), bikes, buses (metro vs. school), and heavy trucks. Mr. Rafeedie worked closely with the Project Coordinator and the Project Manager - Mr. Deal to ensure that all collection efforts were completed within budget and on schedule.

(Add rows as needed)

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be **limited to 2 pages per person**. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by National Data and Surveying Services			
Name	Tyler Shaw	Years of relevant experience with this employer	4
Title	Assistant Operations Manager	Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization		B.S. / 2006 / Geography	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Operations Manager /** Mr. Shaw directly oversees all field operations while also contributing to the field collection efforts. An expert at all data collection methodologies used throughout Louisiana, Mr. Shaw is responsible for managing, training, and auditing all field personnel. His active field presence ensures that all safety, data collection, and reporting requirements are consistently met.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the ~~time~~ years of experience specified in the applicable MPR(s).		
11/23 – 12/23	**N Perkins Ferry Rd. Data Collection, Sub to Intelligent Transportation Systems, Moss Bluff, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 16 7-day classification and speed machine counts as well as 5 12hr turning movement counts with unmet demand, pedestrians, bicycles, passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13).		
10/23 – 11/23	**Racetrac/Vidalia TIA, Sub to Alliance Transportation Group, Vidalia, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 1 7-day classification machine count, 5 2-day classification machine counts, and 5 4hr turning movement counts with unmet demand, passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13).		
09/23 – 10/23	**Prater Rd. Data Collection, Sub to Intelligent Transportation Systems, Springfield, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 5 7-day classification and speed machine counts as well as 4 6hr turning movement counts with unmet demand, passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13).		
08/23 – 08/23	**Baton Rouge Data Collection, Sub to Neel-Schaffer, Baton Rouge, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 9 8hr turning movement counts with unmet demand, pedestrians, bicycles, passenger vehicles (FHWA 1-3), duals (FHWA (4-7), and heavy trucks (FHWA 4+).		
07/22 – 11/22	**I-10 Calcasieu River Bridge P3, Sub to WSP, Lake Charles, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts on two separate occasions for 54 7-day classification mainline and ramp counts.		
11/22 – 12/22	**St. Bernard Parish- Bridge ADT, Sub to Vectura, Chalmette, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 21 7-day volume machine counts.		

12/22 – 12/22	**Iowa, LA Traffic Counts, Sub to Neel-Schaffer, Iowa, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 28 48hr classification machine counts, 3 7-day classification machine counts, 17 6hr turning movement counts with heavy vehicles (FHWA 4+), and 30 15min AM/PM driveway counts with heavy vehicles (FHWA 4+).
09/22 – 01/23	**LA 30 Traffic Study, Sub to Arcadis, Gonzales, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 3 7-day classification machine counts; 53 48hr classification machine counts; 1 48hr classification count via camera; 17 6hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), heavy trucks (FHWA 8-13), and unmet demand; 114 15min AM/PM driveway counts with passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), and heavy trucks (FHWA 8-13); and 2 radar spot-speed surveys.
11/22 – 02/23	**Airline Hwy Baton Rouge, Sub to Gresham Smith, Baton Rouge, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 32 48hr classification machine counts, 150 15min AM/PM driveway counts, and 2 radar spot-speed surveys.
01/22 – 04/22	**Walker Data Collection, Sub to Urban Systems, Walker, LA**: Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 2 7-day classification machine counts; 16 48hr classification machine counts; 1 48hr classification count via camera; 12 4hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), heavy trucks (FHWA 8-13), and unmet demand; and 66 driveway counts.
08/22 – 11/22	**Contract No. 44-18271; to No. H.014746.1, Sub to Neel-Schaffer, Baton Rouge, LA**: Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 4 7-day classification machine counts; 23 48hr classification machine counts; 2 48hr classification counts via camera; and 24 15min AM/PM driveway counts with passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), and heavy trucks (FHWA 8-13).
11/21 – 12/21	**US 190 Mandeville, Sub to Neel-Schaffer, Mandeville, LA**: Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 29 48hr classification machine counts; 20 6hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), heavy trucks (FHWA 4+), and RTOR; 94 15min AM/PM driveway counts with passenger vehicles (FHWA 1-3) and heavy trucks (FHWA 8-13); and 2 radar spot-speed surveys.
03/21 – 04/21	**College Drive Counts, Sub to Vectura Consulting Services, Baton Rouge, LA:** Mr. Shaw, Operations Manager, directly oversaw and contributed to the field collection efforts for 32 48hr classification machine counts; 12 8hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), and heavy trucks (FHWA 4+); and 91 15min AM/PM driveway counts.

(Add rows as needed)

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be **limited to 2 pages per person**. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by National Data and Surveying Services				
Name	Anthony Truong		Years of relevant experience with this employer	4
Title	Senior Data Analyst		Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		B.S. / 2010 / Finance, Marketing		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		**Lead Data Analyst** / Mr. Truong ensures that data quality and data deliveries consistently meet project expectations. Mr. Truong is responsible for overseeing the auditing, processing, and analysis departments. These departments perform quality control, data preparation, and data delivery processes for the DOT. Anthony has managed the quality control and analysis of over 8,000 projects that consisted of over 20,000 turning movement counts, 15,000 automated traffic recorder counts, and over 4,000 other service types.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the ~~time~~ years of experience specified in the applicable MPR(s).			
01/21 - Present	**NYSDOT Traffic Count Program**: Mr. Truong, Lead Data Analyst, manages the quality control, processing, analysis, and delivery of annual traffic counts consisting of approximately 3,000 ATR Classification counts, 3,000 ATR Volume counts, 1,000 TMCs with pedestrians, bikes, buses, heavy trucks, and RTOR, as well as 100 Pedestrian and Bicycle counts.			
05/19 - Present	**NYCDOT Citywide Data Collection, Tabulation and Analysis:** Mr. Truong, Lead Data Analyst, manages the quality control, processing, analysis, and delivery of annual traffic counts consisting of approximately 3,200 ATR counts, 2,800 TMCs, 600 Pedestrian counts, 700 Bicycle counts, and 180 Spot Speed Radar counts.			
06/23 – Present	**City of Dallas Professional Traffic Counting Services**: Mr. Truong, Lead Data Analyst, has thus far managed the quality control, processing, analysis, and delivery of 122 24hr speed machine counts, 40 2.5hr to 4hr turning movement counts with pedestrians, and 3 2.5hr gap studies.			
07/05 - Present	**LADOT On-Call Traffic Data Collection**: Mr. Truong, Lead Data Analyst, manages the quality control, processing, analysis, and delivery of annual traffic counts consisting of 2,000 ATR counts, 51 pedestrian/bicycle screenline counts, 500 pedestrian studies, and 1,000 TMCs with pedestrians (adults vs. kids), bikes, buses (metro vs. school), and heavy trucks.			
05/98 - Present	**City of Sacramento On-Call Traffic Data Collection**: Mr. Truong, Lead Data Analyst, manages the quality control, processing, analysis, and delivery of annual traffic counts consisting of approximately 60 TMCs and 300 ATR Speed counts.			
11/23 – 12/23	**N Perkins Ferry Rd. Data Collection, Sub to Intelligent Transportation Systems, Moss Bluff, LA:** Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery of 16 7-day classification and speed machine counts as well as 5 12hr turning movement counts with unmet demand, pedestrians, bicycles, passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13).			

07/22 – 11/22	**I-10 Calcasieu River Bridge P3, Sub to WSP, Lake Charles, LA:** Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery for 54 7-day classification mainline and ramp counts on two separate occasions.
11/22 – 12/22	**St. Bernard Parish- Bridge ADT, Sub to Vectura, Chalmette, LA:** Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery for 21 7-day volume machine counts.
12/22 – 12/22	**Iowa, LA Traffic Counts, Sub to Neel-Schaffer, Iowa, LA:** Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery for 28 48hr classification machine counts, 3 7-day classification machine counts, 17 6hr turning movement counts with heavy vehicles (FHWA 4+), and 30 15min AM/PM driveway counts with heavy vehicles (FHWA 4+).
09/22 – 01/23	**LA 30 Traffic Study, Sub to Arcadis, Gonzales, LA:** Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery for 3 7-day classification machine counts; 53 48hr classification machine counts; 1 48hr classification count via camera; 17 6hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), heavy trucks (FHWA 8-13), and unmet demand; 114 15min AM/PM driveway counts with passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), and heavy trucks (FHWA 8-13); and 2 radar spot-speed surveys.
11/22 – 02/23	**Airline Hwy Baton Rouge, Sub to Gresham Smith, Baton Rouge, LA:** Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery for 32 48hr classification machine counts, 150 15min AM/PM driveway counts, and 2 radar spot-speed surveys.
01/22 – 04/22	**Walker Data Collection, Sub to Urban Systems, Walker, LA**: Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery for 2 7-day classification machine counts; 16 48hr classification machine counts; 1 48hr classification count via camera; 12 4hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), heavy trucks (FHWA 8-13), and unmet demand; and 66 driveway counts.
08/22 – 11/22	**Contract No. 44-18271; to No. H.014746.1, Sub to Neel-Schaffer, Baton Rouge, LA**: Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery for 4 7-day classification machine counts; 23 48hr classification machine counts; 2 48hr classification counts via camera; and 24 15min AM/PM driveway counts with passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), and heavy trucks (FHWA 8-13).
11/21 – 12/21	**US 190 Mandeville, Sub to Neel-Schaffer, Mandeville, LA**: Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery for 29 48hr classification machine counts; 20 6hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), heavy trucks (FHWA 4+), and RTOR; 94 15min AM/PM driveway counts with passenger vehicles (FHWA 1-3) and heavy trucks (FHWA 8-13); and 2 radar spot-speed surveys.
03/21 – 04/21	**College Drive Counts, Sub to Vectura Consulting Services, Baton Rouge, LA:** Mr. Truong, Lead Data Analyst, managed the quality control, processing, analysis, and delivery for 32 48hr classification machine counts; 12 8hr turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), and heavy trucks (FHWA 4+); and 91 15min AM/PM driveway counts.

(Add rows as needed)

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be **limited to 2 pages per person**. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by National Data and Surveying Services				
Name	Michael Blitz		Years of relevant experience with this employer	20
Title	CFO		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 1999 / Accounting		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		**Invoicing/Accounting Manager** / Mr. Blitz is responsible for managing the preparation and delivery of accurate, timely, and appropriately formatted invoices for NDS contracts throughout the nation. Mr. Blitz's experience ranges from simple line-item invoicing to several hundred-page invoices that include detailed payroll reports to support labor-hour breakdowns.		
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the ~~time~~ years of experience specified in the applicable MPR(s).		
01/21 - Present		**NYSDOT Traffic Count Program**: Mr. Blitz prepares bi-weekly invoices along with approval letters from NYSDOT to ensure the accuracy of the presented invoices.		
05/19 - Present		**NYCDOT Citywide Data Collection, Tabulation and Analysis:** Mr. Blitz prepares once a month invoices with timesheets, payroll journals and subcontractor's billing. Working with the contract quantities, making sure all the NYCDOT requirements are met.		
06/23 – Present		**City of Dallas Professional Traffic Counting Services**: Mr. Blitz prepares invoices along with the full list of locations, making sure all the required City of Dallas information is there.		
07/05 - Present		**LADOT On-Call Traffic Data Collection**: Mr. Blitz prepares invoices along with the full list of locations, making sure all the required LADOT information is there.		
05/05 - Present		**City of Sacramento On-Call Traffic Data Collection**: Mr. Blitz prepares invoices, double checks their accuracy and delivery via email.		
07/18 - Present		**City of Rancho Cordova On-Call Traffic Data Collection**: Mr. Blitz prepares invoices, double checks their accuracy and delivery via email.		
11/23 – 12/23		**N Perkins Ferry Rd. Data Collection, Sub to Intelligent Transportation Systems, Moss Bluff, LA:** Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.		
10/23 – 11/23		**Racetrac/Vidalia TIA, Sub to Alliance Transportation Group, Vidalia, LA:** Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.		
09/23 – 10/23		**Prater Rd. Data Collection, Sub to Intelligent Transportation Systems, Springfield, LA:** Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.		
08/23 – 08/23		**Baton Rouge Data Collection, Sub to Neel-Schaffer, Baton Rouge, LA:** Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.		

07/22 – 11/22	**I-10 Calcasieu River Bridge P3, Sub to WSP, Lake Charles, LA:** Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.
11/22 – 12/22	**St. Bernard Parish- Bridge ADT, Sub to Vectura, Chalmette, LA:** Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.
12/22 – 12/22	**Iowa, LA Traffic Counts, Sub to Neel-Schaffer, Iowa, LA:** Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.
09/22 – 01/23	**LA 30 Traffic Study, Sub to Arcadis, Gonzales, LA:** Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.
11/22 – 02/23	**Airline Hwy Baton Rouge, Sub to Gresham Smith, Baton Rouge, LA:** Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.
01/22 – 04/22	**Walker Data Collection, Sub to Urban Systems, Walker, LA**: Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.
08/22 – 11/22	**Contract No. 44-18271; to No. H.014746.1, Sub to Neel-Schaffer, Baton Rouge, LA**: Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.
11/21 – 12/21	**US 190 Mandeville, Sub to Neel-Schaffer, Mandeville, LA**: Mr. Blitz prepared invoices, double checked their accuracy and delivery via email.

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	National Data and Surveying Services		Past Performance Evaluation Discipline(s)*	Data Collection
Project name	Traffic Count Collection Service		Firm responsibility (prime or sub?)	Prime
Project number	BA20-003	Owner's name	New York State Department of Transportation	
Project location	New York State		Owner's Project Manager	Kurt Matias
Owner's address, phone, email	50 Wolf Road, POD 4-2 Albany, NY 12232 (518) 457-1965 kurt.matias@dot.ny.gov			
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost ($1,000's)		1,100 Annually
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		N/A

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

NDS currently holds the New York State DOT contract for Zones A and E. NDS is responsible for the annual collection of approximately:

- 1-day, 50hr, 3-day, or 7-day Classification machine counts taken by lane
  - Zone A: 2,229 | Zone E: 1,037
- 3-day, or 7-day Volume machine counts
  - Zone A: 1,703 | Zone E: 1,083
- Turning movement counts with requirements that include RTOR, heavy trucks, pedestrians, bicycles, and buses
  - Zone A: 498 | Zone E: 414
- 3-day or 7-day Bicycle and/or Pedestrian counts
  - Zone A: 46 | Zone E: 46

FIRM MEMBERS INVOLVED

Kevin Deal – Project Manager
Richard Rafeedie – Project Coordinator
Anthony Truong – Lead Data Analyst

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	National Data and Surveying Services		Past Performance Evaluation Discipline(s)*	Data Collection
Project name	I-10 Calcasieu River Bridge P3		Firm responsibility (prime or sub?)	Sub
Project number	Unknown	Owner's name	WSP	
Project location	Lake Charles, LA		Owner's Project Manager	Kia Mostaan
Owner's address, phone, email	3340 Peachtree Rd NE, #2400 Atlanta, GA 30326 (404) 364-2678 kia.mostaan@wsp.com			
Services commenced by this firm (mm/yy)	07/22	Total consultant contract cost ($1,000's)		205
Services completed by this firm (mm/yy)	11/22	Cost of consultant services provided by this firm ($1,000's)		205

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

NDS was contracted by WSP to collect:

- 17, 7-day Mainline classification counts via camera (FHWA 1-3, 4-7, 8-13)
- 6, 7-day Machine classification counts
- 17, 7-day Ramp classification counts via camera (FHWA 1-3, 4-7, 8-13)
- 14, 7-day Ramp machine classification counts

This effort was complete twice. Once from 7/22 to 8/22 and a second time from 10/22 to 11/22.

FIRM MEMBERS INVOLVED

Kevin Deal – Project Manager
Richard Rafeedie – Sr. Operations Manager
Tyler Shaw – Operations Manager
Anthony Truong – Lead Data Analyst

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	National Data and Surveying Services		Past Performance Evaluation Discipline(s)*	Data Collection
Project name	Prater Rd Data Collection		Firm responsibility (prime or sub?)	Sub
Project number	Unknown	Owner's name	Intelligent Transportation Systems	
Project location	Sulphur, LA		Owner's Project Manager	Colin Francis
Owner's address, phone, email	20405 Highland Rd Baton Rouge, LA 70817 (985) 264-4503 colin.francis@itsanswers.com			
Services commenced by this firm (mm/yy)	09/23	Total consultant contract cost ($1,000's)		16
Services completed by this firm (mm/yy)	11/23	Cost of consultant services provided by this firm ($1,000's)		16

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

NDS was contracted by Intelligent Transportation Systems to collect:
- 7, 14-day Machine classification and speed counts
- 2, 8hr Turning movement counts with passenger vehicles (FHWA 1-3), duals (FHWA 4-7), and heavy trucks (FHWA 8-13)

FIRM MEMBERS INVOLVED

Kevin Deal – Project Manager
Richard Rafeedie – Project Coordinator
Tyler Shaw – Operations Manager
Anthony Truong – Lead Data Analyst

17. <u>Firm Experience:</u>

Identify the team's project experience **<u>most relevant</u>** to the scope in the advertisement. **The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	National Data and Surveying Services		Past Performance Evaluation Discipline(s)*	Data Collection
Project name	LA 30 Traffic Study		Firm responsibility (prime or sub?)	Sub
Project number	Unknown	Owner's name	Arcadis	
Project location	Gonzales, LA		Owner's Project Manager	Kester Hollier
Owner's address, phone, email	3850 N Causeway Blvd. Ste. 990 Metairie, LA 70002 (504) 343-9579 kester.hollier@arcadis.com			
Services commenced by this firm (mm/yy)	09/22	Total consultant contract cost ($1,000's)		44
Services completed by this firm (mm/yy)	01/23	Cost of consultant services provided by this firm ($1,000's)		44

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

NDS was contracted by Arcadis to collect:
- 3, 7-day machine classification counts
- 53, 48hr machine classification counts
- 1, 48hr classification count via camera
- 17, 6hr Turning movement counts with peds, bikes, passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), heavy trucks (FHWA 8-13), and unmet demand
- 114, 15min AM & 15min PM Driveways with passenger vehicles (FHWA 1-3), medium trucks (FHWA 4-7), and heavy trucks (FHWA 8-13)
- 2 Radar spot-speed surveys

FIRM MEMBERS INVOLVED

Kevin Deal – Project Manager
Richard Rafeedie – Sr. Operations Manager
Tyler Shaw – Operations Manager
Anthony Truong – Lead Data Analyst

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	National Data and Surveying Services		Past Performance Evaluation Discipline(s)*	Data Collection
Project name	Airline Hwy Baton Rouge		Firm responsibility (prime or sub?)	Sub
Project number	Unknown	Owner's name	Gresham Smith	
Project location	Baton Rouge, LA		Owner's Project Manager	Rebecca L. Murray
Owner's address, phone, email	10000 Perkins Rowe, Suite 280 Baton Rouge, LA 70810 (225) 282-2104 rebecca.murray@greshamsmith.com			
Services commenced by this firm (mm/yy)	11/22	Total consultant contract cost ($1,000's)		22
Services completed by this firm (mm/yy)	02/23	Cost of consultant services provided by this firm ($1,000's)		22

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

NDS was contracted by Gresham Smith to collect:

- 32, 48hr Machine classification counts
- 150, 15min AM & 15min PM Driveway counts
- 2 Radar spot-speed surveys

FIRM MEMBERS INVOLVED

Kevin Deal – Project Manager
Richard Rafeedie – Sr. Operations Manager
Tyler Shaw – Operations Manager
Anthony Truong – Lead Data Analyst

18. Approach and Methodology:

COUNT REQUEST MANAGEMENT

DOTD should expect quality driven comments and feedback throughout the assessment of both the annual list and individual count requests. Our team will: Review and verify the list of locations using Google Earth; Determine the most appropriate collection methodology, technology, and installation practice for each location; Notate all location details including any location-specific scheduling restrictions; Provide site-specific questions and recommendations to DOTD for review, discussion as needed, and approval; Prepare and submit an estimate consisting of pre-approved and non-negotiated contract rates for all requests within 24 hours of the request to DOTD for review, modification as needed, and approval; Request and obtain the necessary permits, then notify appropriate DOTD personnel and relevant local agencies; and create final project documentation for use throughout the request life cycle, containing the specific details previously discussed.

SCHEDULE MANAGEMENT

The Project Coordinator – Richard Rafeedie in close coordination with the Operations Manager – Tyler Shaw will be responsible for resource planning, project calendar management, permit confirmation, and deployment for all DOTD data collection needs. Planning is done as far in advance of the collection date as possible for project team coordination as well as preparation for equipment, staff, and work zone safety plans. Richard Rafeedie will directly communicate with DOTD regarding scheduling planning and execution. Schedule planning involves site-specific work safety evaluations, review of planned roadwork within the collection area as provided by DOTD, assignment of work safety equipment, assignment of data collection equipment, assignment of project locations for data collection, and schedule routing. Annual count schedules will be communicated weekly to the DOTD PM along with any and all unforeseen changes. Additionally, NDS will manage a master list of annual counts that will be made available to the DOTD for live progress updates.

Schedulers closely monitor weather conditions, school calendars, construction, and events to ensure strict adherence to the permissible days of collection. Unless specifically requested, NDS will ensure that data is not collected on days with forecasted extreme weather conditions; in the immediate aftermath of a natural or other disaster affecting area traffic flows; in close proximity of a city-designated holiday/festival/Mardis-Gras/major weekend/extended weekend; on days where normal traffic patterns are affected by nearby projects or scheduled special events; and when the local school districts are not in regular session. NDS will clearly communicate to DOTD any conditions or circumstances that could negatively impact the data collection effort. Impacted locations will be placed on hold until further guidance is received from DOTD. Volume counts will be taken on the same week as classification counts unless permission to collect otherwise is granted by DOTD. All turning movement counts for the same intersection will occur on the same day. NDS will notify and attempt to resolve any private or public related concerns regarding data collection activity in a professional manner in coordination with DOTD.

DATA COLLECTION

NDS performs all tasks in accordance with the procedures and specifications identified in the ITE Manual of Transportation Engineering Studies, Manual of Uniform Traffic Control Devices, the FHWA Traffic Monitoring Guide, the Highway Capacity Manual, The Manual of Transportation Engineering Studies (2nd Edition), the DOTD Traffic Engineering Manual, and generally in accordance with sound traffic engineering principles. NDS will not enter private property without permission of the private property owner.

TURNING MOVEMENT COUNTS/UNMET DEMAND/DEMAND VOLUMES

NDS develops proprietary video camera systems for turning movement counts, pedestrians, bicycle, micromobility, and other non-motorized studies. NDS units contain the most technologically advanced hardware available for temporary data collection. These systems are capable of recording for any duration of time and in extreme weather conditions. NDS cameras are built with industry leading low lux rated cameras sensors, allowing for visibility in **all lighting conditions**. NDS is capable of capturing any size intersection, segment, or other points of observation through the use of one or more synced cameras. Built-in and removable storage creates redundancy to prevent lost video footage throughout long duration studies. Standard video resolution offers clear and crisp video playback, especially in comparison to other well-known camera manufacturers in the industry. Additionally, NDS can modify the resolution, frame rate, and bit rate to meet the needs of extremely high-resolution projects.

NDS does not use algorithmic video software for video reduction but has instead spent well over a decade building a human driven video team with various levels of quality control. Through numerous empirical studies, NDS has determined the accuracy of algorithmic video watching to be unpredictable, providing subpar accuracy. Occlusion, glare and congestion along with several limitations pertaining to FHWA classification groupings, general flexibility, and other observation-based studies reduce the quality of

algorithmic data. In response to these deficiencies, NDS utilizes an in-house video reduction team along with a multi-stage QAQC process that consists of extremely detailed and tedious training protocols for all video watchers.

All TMC peak periods will be recorded on the same day on a Tuesday, Wednesday, or Thursday. Vehicles are recorded by direction, classification, approach, and unique movement at the intersection. Bicycles behaving like vehicles will be counted by approach and by unique movement. Pedestrians and bicycles behaving like pedestrians will be counted by direction and by crosswalk (or crosswalk area). Data reduction for roundabouts will include origin-destination tracking for all legs and vehicles. Data reduction for all other intersection configurations and classifications are performed using standard counting methods that track the approach and departure for all classified items at each intersection.

TMC's will contain passenger vehicles, school buses, commercial vehicles, pedestrian, bicycles, and 15-minute queue counts estimated in feet. Demand volumes will be recorded when queuing occurs due to demand in excess of capacity and may be approximated by relating the departure count to the vehicles in queue.

AVERAGE DAILY TRAFFIC (ADT) COUNTS

NDS utilizes PicoCount machines, MetroCount machines, or NDS camera units for volume, classification, and speed data collection. NDS conducts bi-annual calibration and switch tests on all ATR machines to verify air switch functionality and FHWA classification axle-conversion accuracy. This is done with a specialized air switch testing device that can be programmed to generate a specified number of air pulses and mimic FHWA Scheme F classification air burst patterns. Machines that do not fall within +-98% accuracy are either retired, sent back for manufacturer for repair, or replaced. Video recording is also used as a means of class verification.

Staff test the condition of the road tubes prior to installation. Staff will check the tube knot, use an air pressure device to check for tube leakage (ensuring 1 psi pressure is maintained for 1 minute), and compare tube elasticity against the elasticity of new tubing. Aside from tying a knew knot, tubes are discarded that do not pass these tests. Standard nails are placed outside of wheel tracks and weather-appropriate road tape is placed in 2ft increments to secure the tube and maintain class spacing. Tubing is taped completely over bicycle lanes and sidewalks as an added safety measure as applicable. After installation, the machine is monitored using a laptop to ensure that vehicle hits are being detected and classified properly. For multi-day installations, field checks are done every other day. Field maintenance checks include a visual condition check of the road tubes including the knot, additional vehicle monitoring using a laptop, and a mid-count data download to check data reliability by comparing the captured volumes reported by each tube against each other. Damaged equipment is promptly replaced, communicated as necessary, and marked for possible rescheduling. After the collection period has ended, equipment is completely and safely removed from the site with almost no visible evidence of the collection effort. Prior to teardown, the same checks are performed as described in the field maintenance checks. After tear down, the same equipment checks are performed as described prior to installation.

NDS staff go through an extensive training process that includes safety training, various training manuals, field training, mock installations, peer review, and administrative review before they are cleared to work safely on a live project. Upon receipt of a request, NDS maps and reviews each site for optimal placements, assessing for the potential of congestion and to confirm that accurate data collection is possible. NDS may propose video recording if conditions exist that would prevent the accurate and successful collection of machine data. Considerations include the number of lanes, expected congestion, installation options, safety concerns, a lack of necessary infrastructure, and/or suboptimal site conditions.

ATR installations occur the day before the requested start date to ensure that data collection begins at midnight unless otherwise instructed. Locations that require multiple machines are collected concurrently. A pre-determined safety plan is executed upon both site arrival and departure. Machines are installed in free flow traffic conditions outside of auxiliary lane storage. Consideration is given to the type of street and surrounding land usage when choosing the equipment and method for installation. To achieve optimal conditions, equipment is installed as far away from intersections or ramp junctions as possible. For smaller segments, counters are installed midblock and may be staggered to produce the best results. To account for higher sensitivities typically present on residential street segments, NDS staff utilizes low-profile pneumatic tubing to complete installations during the daytime hours whenever possible. Data will be collected from M-F per item specifications or per DOTD preference, include directionality, lat/long, station #, 15-minute intervals, and FHWA classification percentages.

If field staff conclude that accurate data collection is not possible at a site or that the site presents unacceptable risk, NDS management will be notified immediately. Management will re-assess the site and look for alternate ways to capture the information. Details surrounding the issue and NDS' proposed solution will be communicated to DOTD. In the event that a solution cannot be found, NDS will provide supporting documentation consisting of the identification of the location, a full description of the problem and a suggested alternate location if one exists on the same facility. NDS may also suggest an alternate technology as a means of resolution. In either case, NDS will wait for approval from DOTD before proceeding.

RESOURCE AVAILABILITY

EQUIPMENT	PURPOSE	STATUS	QTY
Road Tube Counters – PicoCounter	Volume/Axle-Based Class/Speed - Portable	Available	85
Road Tube Counters – MetroCounter	Volume/Axle-Based Class/Speed - Portable	Available	120
Video Cameras – Proprietary Custom Built	TMCs, Segments, Classification, Speed, Various Studies	Available	145
Work Zone Safety Equipment	PPE, Cones, Signage, Vehicle safety equipment	Available	6 sets
Company Vans/Trucks	Transportation	Available	6

RE-COLLECTION

NDS is responsible for the accurate, complete, and successful collection of data. NDS will perform a thorough quality control process of all counts in addition to the review conducted by DOTD. Should recollection be needed for any reason determined by NDS or DOTD, NDS will reschedule the counts promptly and at no cost to DOTD.

QUALITY CONTROL

NDS leads the industry with the most detailed and sophisticated quality control processes nationwide. At the field level, all equipment undergoes regular maintenance and testing to ensure full functionality. Field personnel are specifically trained to conduct a preliminary inspection of the collected data, allowing for expedited communication surrounding possible disruptions to the data collection effort. NDS has four departments dedicated to quality control after data is submitted from the field: the Audit Department, the Video Department, the Processing Department, and the Analyst Department. These departments are centralized at NDS headquarters and are responsible for the quality control, processing, analysis, file preparation, and data delivery of all data collected by NDS throughout the nation. These departments have extensive experience working with all NDS services, data collection best practices, data collection formats, contracts, and data delivery formats.

AUDIT DEPARTMENT - Responsible for the timely submission and careful review of all field data throughout the company. This department tracks nationwide scheduling to prepare for video and data uploads. Videos are scrubbed thoroughly to ensure that all time periods are present, the viewing angles are consistent, and to confirm that all data collection requirements can be met. All other data submissions are checked per manufacturer recommendations and compared to client/contract requirements to confirm compliance. This department works closely with our Operations Department, providing the necessary feedback to optimize our national operations.

VIDEO DEPARTMENT (VIDEO REVIEW AND SPOT CHECKING) - The NDS Video Department manually reviews over 500,000 hours of video annually. This department is divided into two teams: video review and video spot checking. Both teams are well versed at performing counts with detailed vehicle, pedestrian, bicycle, micro-mobility, observational, and custom-developed studies throughout the nation. Due to our training, standards, and protocols, NDS proudly achieves an accuracy rate of 98%/±2% and ±2 vehicles for volumes up to 100 vehicles. The video review team is responsible for site verification, auditing all required hours, confirming the required field of view, reporting any anomalies disrupting the flow of traffic, and counting the details in the video per data collection task requirement. Each video reviewer is trained extensively on all study types and vehicle classifications. Video reviewers are not permitted to count live data until over 200 video hours have been watched and verified as at least 98% accurate. The video spot checking department is responsible for separately spot checking all classifications and data requirements present in video related projects for at least one 15-minute interval per two (2) hour period. If a comparison between the spot check and the original count reveals a variance greater than 2%, the entire two (2) hour count period that was spot checked is re-reviewed and re-submitted to the spot-checking team. This process will repeat until the accuracy threshold is met.

PROCESSING DEPARTMENT - The processing department is responsible for scrutinizing client requests to ensure that all data collection requirements have been met and submitted for the project. This includes confirming the location, installation layout, orientation, presence of all required time intervals, movements, classifications, as well as sketches, images, field sheets, and all necessary site data. The processing team converts the data from its raw format to the deliverable formats and performs a preliminary data integrity check. This involves checking the data for abnormal data sequences such as abnormal spikes or valleys in the data set, inconsistent data compared between days, inconsistent historical comparisons, or illogical data patterns. Concerns about the data quality at this stage results in additional video spot checks (if applicable), data verification through sampled recollection, or consultation with the analyst department.

ANALYST DEPARTMENT - The analyst department is responsible for conducting a secondary review of all data components, checking for data consistency throughout a corridor utilizing all available data resources, converting data into the contract specified deliverable, and preparing the delivery package as outlined in the contract. As part of the review, a comparative analysis is performed between all data points within a project. This team is dedicated to validating the relational integrity of these data points utilizing additional spot checks, video footage, historical data, and additional field observations as necessary. To prepare data in its deliverable format, the analyst utilizes a variety of tools (including custom program development) to ensure that all data format conversions stay consistent throughout each project.

DATA PREPARATION AND SUBMITTAL

The NDS processing and analyst department will collect, consolidate, format, and prepare the final delivery to DOTD within an aggressive pre-communicated and agreed upon time period based on the size, complexity, and length of the collection effort. Unless otherwise agreed upon with the DOTD, data will be delivered within ten (10) working days after the final date of collection.

In addition to Excel w/related summaries, PDF, manual count diagrams, and MS2, NDS can conform to all DOTD software and deliverable standards. NDS can also customize all deliverables at no cost to DOTD to include additional statistics, modified layouts, or anything else that may streamline DOTD data handling and review times. Video can be made available to DOTD through NDS secure servers at no additional cost.

UNIT PRICES/SAMPLE SCHEDULE

NDS has provided statewide unit rates in the table below. It may be in the best interest of the DOTD for NDS to create regional pricing in order to reduce rates in some of the urban areas such as New Orleans and Baton Rouge. The timelines provided below represent small to medium sized projects containing less than 50 count locations. Larger non-annual count requests require timeline discussions. DOTD should expect a response to a request within 24 hours, deployment within 2 weeks of NTP, and QC/Data delivery within 2 weeks of collection.

CONFIDENTIAL INFORMATION IN THE RED BOX BELOW

TASK	UNIT RATE
ANNUAL COUNTS (Statewide Blanket): 48-Hour Volume Counts ($/undivided highway or segment)	$ 400
ANNUAL COUNTS (Routine Volume/Class Monitoring at Interstate Exit Ramps): 48-Hour Volume & Classification Counts ($/segment)	$ 475
7-day, 24-hour Volume Counts (Non-Interstate) ($/approach)	$ 950
7-day, 24-hour Classification Counts (Non-Interstate) ($/approach)	$ 1,100
7-day, 24-hour Volume Counts (Interstate) (4 lanes - 2 lanes in each direction) ($/location)	$ 3,600
7-day, 24-hour Classification Counts (Interstate) (4 lanes - 2 lanes in each direction) ($/location)	$ 5,000
7-day, 24-hour Volume Counts (Interstate) (6 lanes - 3 lanes in each direction) ($/location)	$ 3,600
7-day, 24-hour Classification Counts (Interstate) (6 lanes - 3 lanes in each direction) ($/location)	$ 7,000
24-Hour Volume Traffic Counts ($/approach)	$ 300
24-Hour Classification Traffic Counts ($/approach)	$ 350
48-Hour Volume Traffic Counts ($/approach)	$ 400
48-Hour Classification Traffic Counts ($/approach)	$ 475
Turning Movement Counts (Peak Hour Counts) (1 Technicians) ($/2hr session per intersection)	$ 395
Turning Movement Counts (Peak Hour Counts) (2 Technicians) ($/2hr session per intersection)	$ 545
Turning Movement Counts (Non-Peak Hour Counts) (1 Technicians) ($/2hr session per intersection)	$ 395
Turning Movement Counts (Non-Peak Hour Counts) (2 Technicians) ($/2hr session per intersection)	$ 545
15 Minute Counts ($/camera - includes three 1hr peak periods)	$ 395

Business Days: 1–20 (WEEK 1: 1–5, WEEK 2: 6–10, WEEK 3: 11–15, WEEK 4: 16–20)

Legend: ■ Data Collection (navy) ■ Quality Control (orange) ■ Recollection (if necessary) (green) ■ Data Delivery (yellow)

19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where **a)** the consultant selection was made by DOTD, and **b)** a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

1) one of the team's firms is responsible for the performance of the work;

2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;

3) the work has not yet been performed and invoiced; and

4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
National Data and Surveying Services, Inc.	Data Collection	Contract No: 4400026335 State Project No: N/A	IDIQ CONTRACT FOR TRAFFIC DATA COLLECTION STATEWIDE	N/A

(Add rows as needed)   DO NOT SUM

* The **only** past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify). If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

If the advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank**.

21. <u>QA/QC Plan:</u>

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank.** <mark>**If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted**</mark>.

22. <u>**Sub-consultant information:**</u>

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (<mark>Name must match</mark> as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number

(Add rows as needed)

23. <u>Location:</u>

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. <mark>Any information included in this section will be redacted if not required by the advertisement</mark>**.