

**TRAFFIC DATA COLLECTION AND MONITORING SERVICES STATEWIDE
CONTRACTS NOS. 4400028301 AND 4400028302 (A1)
STATE PROJECT NO. H.972500.1, FEDERAL AID PROJECT NO. H972500**

DOTD FORM: 24-102 REVISED JANUARY 1, 2023



Louisiana Department
of Transportation and
Development (DOTD)



Marr Traffic
DATA COLLECTION



Marr Traffic

DATA COLLECTION

Offices in Nashville, Atlanta, Raleigh, Louisville, Orlando, and Dallas

Louisiana Department of Transportation and Development

RE: ADVERTISEMENT FOR ENGINEERING AND RELATED SERVICES NOVEMBER 13, 2023

CONTRACT NOS. 4400028301 AND 4400028302 (A1), STATE PROJECT NO. H.972500.1, FEDERAL AID PROJECT NO. H972500
TRAFFIC DATA COLLECTION AND MONITORING SERVICES STATEWIDE

Dear DOTD:

Growing regions need a trusted partner to provide professional services to support traffic analysis. Marr Traffic realizes that traffic data is extremely important for the future development of a community and its transportation initiatives. By providing accurate data, within an efficient turnaround time and at a fair price, we can help you navigate your current challenges and help you achieve your future goals.

In response to your advertisement dated November 13, 2023, and Amendment 1 dated December 5, 2023, we have included the requested forms and qualifications on the following pages.

Over 150 clients across 15 states, including Louisiana, trust Marr Traffic as their traffic data collection partner. Marr Traffic currently provides AASHTO- and FHWA-compliant traffic data for many municipalities, counties, and Departments of Transportation (DOTs), and holds Statewide data collection contracts with DOTs in Georgia and both North and South Carolina. Marr Traffic is registered to conduct business in states across the U.S.

We embrace technology, and we always test new equipment and software to help improve data collection accuracy, efficiency and safety. Our MarrCam traffic data collection cameras are some of the most technologically advanced in the industry. This proprietary technology allows us to safely collect traffic counts and provide in-depth data and analysis for almost any study type including traffic volume, classification, turn movement counts, queue length, roundabouts, pedestrian, cyclist, and parking lot studies.

In addition to standard data collection, Marr Traffic uses drone videography to obtain high-quality aerial footage via AI software, and to provide advanced analytics such as tracking vehicle movements, identifying near misses, and potential accidents. The AI technology allows us to overlay the drone footage with heat maps to showcase these conflicts, as well as highlight vehicle frequencies, speeds, and trajectories.

With numerous offices, a large team of client relationship managers and operations managers, a vast array of field technicians, and an expansive equipment inventory, Marr Traffic can implement a successful data collection strategy. Our proposal outlines how we can collect the required traffic data at as many locations as is necessary (simultaneously where requested), and can return final report deliverables containing highly accurate and detailed data, within the requested timescales. If any recollections are required at any sites, these will be counted again at no additional cost to the DOTD.

We look forward to serving your traffic analysis needs!

Respectfully submitted,

Murray Allan
President and Co-Founder, Marr Traffic

“Marr is a leader in the data collection industry, they are extremely flexible to work with and go above and beyond to create the specific data reports I need.”

- Mark Lenters, Kimley-Horn

DOTD FORM: 24-102

(Revised January 1, 2023)

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 (FEDERAL AID PROJECT NO. H972500)
2. Contract Number(s) as shown in the advertisement	4400028301 AND 4400028302 (A1)
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)	Marr Traffic, 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
6. Prime consultant mailing address	41 Peabody Street, Nashville, Tennessee 37210
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	41 Peabody Street, Nashville, Tennessee 37210
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Murray Allan, President and Co-Founder (615) 431-3750 murray@marrtraffic.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Murray Allan, President and Co-Founder (615) 431-3750 murray@marrtraffic.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:

Murray Allan, President and Co-Founder

Date:

December 12, 2023

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.

<u>Firm(s):</u>	<u>Firm(s)' %:</u>
N/A	

12. Past Performance Evaluation Discipline Table:

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	80%
Data Analysis (other)	10%
Project Management (other)	5%
Quality Assurance (other)	5%

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

15. Minimum Personnel Requirements:

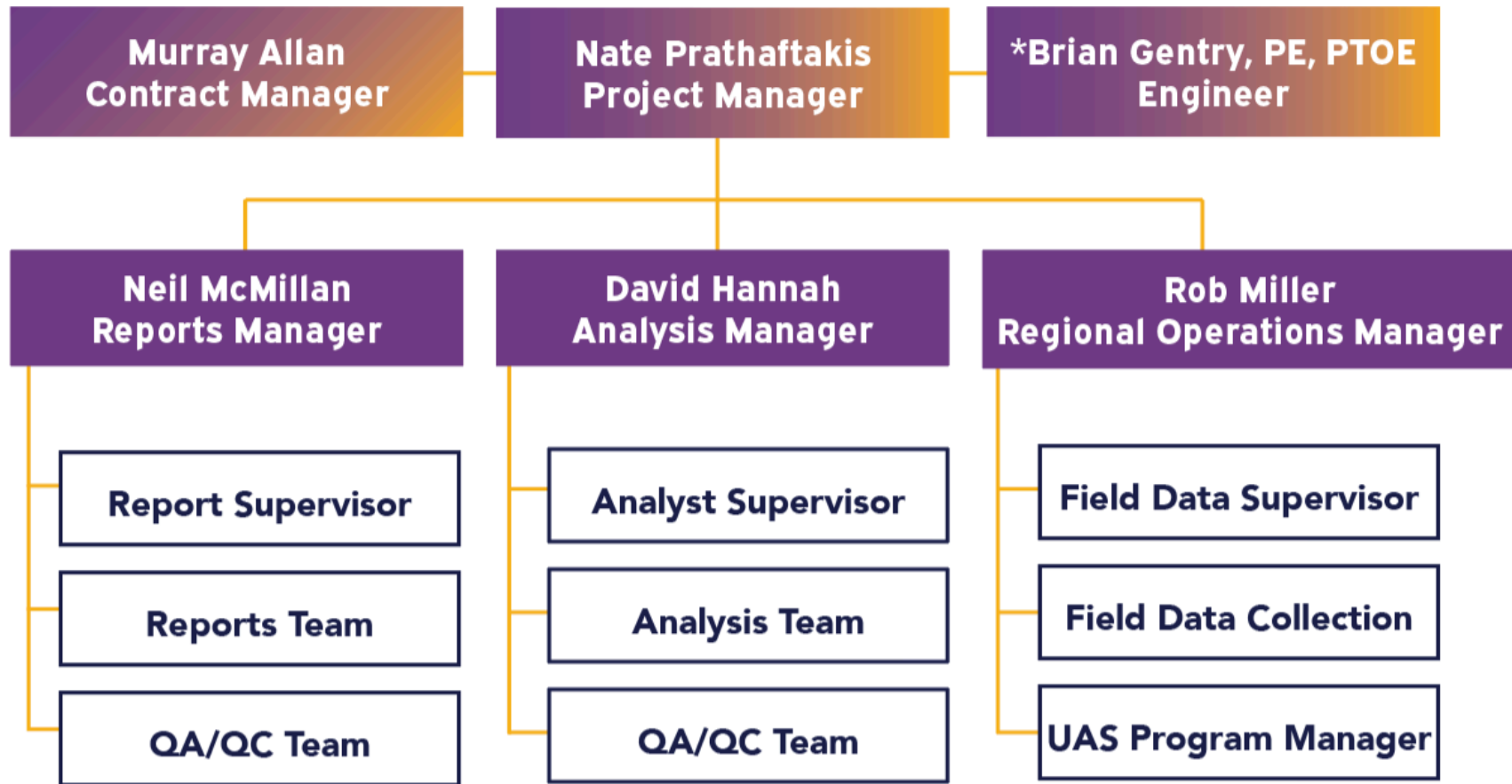
Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. **Make sure the P.E. discipline is 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	Murray Allan	Marr Traffic	N/A	N/A	N/A
2	Nate Prathaftakis	Marr Traffic	N/A	N/A	N/A
3	Brian Gentry, PE, PTOE	Marr Traffic	N/A	N/A	N/A

(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.



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	Murray Allan	Marr Traffic	N/A	N/A	N/A
2	Nate Prathaftakis	Marr Traffic	N/A	N/A	N/A
3	Neil McMillan	Marr Traffic	N/A	N/A	N/A
N/A	Brian Gentry, PE, PTOE	Marr Traffic	N/A	N/A	N/A
N/A	David Hannah	Marr Traffic	N/A	N/A	N/A
N/A	Griffin Holloway	Marr Traffic	N/A	N/A	N/A
N/A	Rob Miller	Marr Traffic	N/A	N/A	N/A

(Add rows as needed)

16. Staff Experience:

Name	Murray Allan		Years of experience with this firm/employer	9
Title	Principal		Years of experience with other firm(s)/employer(s)	22
Degree(s) / Years / Specialization			B.A. / 1998-2002 / Sports Studies	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Principal in charge of contract negotiations and assisting the Project Manager	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
1/19 – 11/19	NCDOT Seasonal Count Program – 129 Count Locations (NCDOT On-Call). Principal for on-call contract for hundreds of counts annually across the State of North Carolina and all 14 NCDOT divisions. A variety of traffic count data is collected including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the NCDOT guidelines which includes the collection of photos of each approach and additional onsite information such as speed limits, road names, diagrams, adjacent land use information, lighting and weather conditions.			
8/20	City of College Station, TX. Principal for 12-hour turn movement counts at 20 intersections. The project included 12 hour turn movement counts at twenty intersections from 7am to 7pm. Marr Traffic data collection cameras were installed to record video footage which was then analyzed to provide classified turn movement counts broken down into 15 minute intervals with hourly totals and peak hour data.			
2/21 – 2/25	SCDOT Traffic Data Collection On-Call (5-year contract). Principal for an exclusive 5 year contract by the South Carolina Department of Transportation. Collect a variety of traffic count data across the State including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the SCDOT guidelines which includes the collection of photos of each approach and additional onsite information such as speed limits, road names, diagrams, adjacent land use information, lighting and weather conditions.			
02/22 – 05/22	Nashville Department of Transportation Traffic Calming Project (sub to Kimley Horn). Contract Manager. On behalf of Nashville Dept. of Transportation, Marr Traffic acted as a sub-consultant for Kimley Horn to collect traffic data throughout the city of Nashville. The project included the collection of 24-hour volume and classification counts at approximately 350 locations. Marr Traffic installed tube counters at every location to gather the necessary data, utilizing their vast resources of equipment and staff, and extensive experience of large-scale projects to ensure that data was delivered on time and on budget.			
11/21 – 1/22	Shelby County, TN 24-hour Ramp Counts (sub to The Corradino Group). Contract Manager. On behalf of The Corradino Group, Marr Traffic was selected to collect traffic data throughout Shelby County, TN. The project included the collection of 24-hour volume and classification counts at approximately 300 ramp count locations. Marr Traffic planned and coordinated all counts using their vast experience to install tube counters at every location. All requested data was gathered, providing all speed and volume counts in the requested speed categories and in 15 minute intervals. Marr Traffic ensured that all data was delivered on time and on budget.			
7/17 – 9/17	Mattern & Craig TDOT Safety Project – 211 Count Locations. Contract Manager for partnership with Mattern & Craig to collect traffic data for a TDOT safety project. The project included 24-hour, directional volumes (to be collected on non-holiday Tuesdays, Wednesdays, or Thursdays) at a total of 211 locations across 22 counties in East Tennessee. The count locations were all on local, County-maintained routes, mostly 2-lane roadways with ADT’s in the 1000 vpd range. Marr traffic data collection cameras were installed to record footage for 24 hours, midnight to midnight. The footage was then analyzed to provide classified vehicle turn movement counts at all locations broken down into 15-minute intervals with hourly totals and peak hour data.			

16. Staff Experience:

Name	Nate Prathaftakis		Years of experience with this firm/employer	4
Title	Project Manager		Years of experience with other firm(s)/employer(s)	16
Degree(s) / Years / Specialization			Business Management	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Project management to ensure all traffic collection tasks are done on time	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
4/14 – 4/14	Denham Springs, LA Project Manager as sub to Arcadis U.S., Inc. that consisted of collecting 20 hours of Travel Time Runs, and 17 Queuing studies for 17 total approaches, and 4 Spot Speed Radar studies for Louisiana municipality.			
1/19 – 11/19	NCDOT Seasonal Count Program – 129 Count Locations (NCDOT On-Call). Project Manager for on-call contract with hundreds of counts annually across all 14 NCDOT divisions. A variety of traffic count data is collected including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts.			
2/21 – 2/25	SCDOT Traffic Data Collection On-Call (5-year contract). Project Manager for an exclusive 5 year contract by the South Carolina DOT. Collect a variety of traffic count data across the State including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the SCDOT guidelines which includes the collection of photos of approaches and onsite info such as speed limits, road names, diagrams, adjacent land use info, lighting and weather conditions.			
2/20 – 2/20	Cherokee County Data Collection for 35 turn movement counts (Canton and Woodstock, GA). Project Manager for thirty-five Turn Movement Counts with classification. The peak periods consisted of 4-hour, 7-hour and 12-hours. Marr Traffic data collection cameras were installed to record video footage which was then analyzed to provide classified vehicle turn movement counts at all locations broken down into 15-minute intervals. Also management installation of four 24-hour speed ADT tube locations for this project.			
2/20 – 2/20	Atlanta, GA Counts for 27 4-hour turn movement counts and 14 24-hour bidirectional ADTs with classification. Project Manager for twenty-seven 4-hour Turn Movement Counts with classification and fourteen 24-hour bidirectional ADTs with classification. MarrCam data collection cameras were installed to record video footage analyzed to provide classified vehicle turn movement counts at all locations broken down into 15-minute intervals.			
5/17 – 5/17	Durham, NC Project Manager as sub to Gannett Fleming on collection of 75 13-hour Pedestrian Counts, 300 48-hour bi-directional volume, class, and speed counts, and 10 13-hour Turning Movement counts.			
4/19 – 4/19	Cobb County, GA DOT Project Manager for collecting 135 24-hr bi-directional volume counts within in a one week period.			
2/13 – 2/13	Douglas, GA Project Manager as sub to Arcadis U.S., Inc. that consisted of collecting 4 6-hr Turning Movement Counts that included pedestrian, bicycle, and heavy truck classification for a weekday and a Saturday, and 6 7-day Bi-directional class and speed counts.			
5/12 – 5/12	Cobb County DOT, GA Project Manager as sub to Gresham Smith on collection of 23 6-hr Turning Movement Counts that included pedestrian, bicycle, and heavy truck classification, and 2 48-hour bi-directional classification counts.			
9/12 – 9/12	Hall County, GA Project Manager as sub to Grice Consulting Group on collection of 6 6-hr Turning Movement Counts that included pedestrian, bicycle, and heavy truck classification, and 61 48-hr bi-directional classification counts.			
9/12 – 9/12	Richmond, GA Project Manager as sub to Gresham Smith on collection of 7 6-hr Turning Movement Counts that included pedestrian, bicycle, and heavy truck classification, and 28 48-hr bi-directional classification counts.			

16. Staff Experience:

Name	Brian Gentry, PE, PTOE		Years of experience with this firm/employer	1
Title	Traffic Engineer		Years of experience with other firm(s)/employer(s)	18
Degree(s) / Years / Specialization			B.S./2005/Engineering	
Active registration number / state / expiration date			#72948/FL/02-28-2025; Louisiana license applied for (under committee review)	
Year registered	06/04/2011	Discipline	Professional Engineer	
Contract role(s) / brief description of responsibilities			Professional Engineer and Traffic Operations Engineer; QA/QC	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/07 – Present	<p>Brian is a licensed professional engineer (Louisiana registration is applied for and under committee review) with almost 20 years of traffic engineering, traffic analysis, transportation planning, and expert testimony. His career has included working in the public sector for large municipalities as well as for FDOT. His track record includes traffic signal engineering studies, traffic data collection, traffic operational studies, Active Traffic Management, Active Arterial Management, special event Traffic Control Plans, performing CEI services, and conducting signal warrant studies. Relevant experience and training includes:</p> <ul style="list-style-type: none"> • FDOT Approved Temporary Traffic Control (TTC) Certification (nearly 15 years) • Completed Wayne State - Transportation Research Group “Temporary Traffic Control Plan Development” Workshop • Responsible planning and operating large special events such as the Gasparilla Parade, Super Bowls and Air Fest • 12 years experience supervising TTC teams 			
04/18 – 02/23	<p>Public Works Department, Hillsborough County Traffic Management. Responsible for building the Hillsborough County traffic management program including designing a future Traffic Management Center (TMC), including staffing and development of the Advanced Traffic Management System (ATMS) program. Responsible for implementing and managing the Active Arterial Management (AAM) program. This includes designing plans for and deploying specialized equipment to gather Advanced Traffic Signal Performance Measures (ATSPM) and corridor characteristics which includes traffic counts, congestion and travel time reports, crash hot spots as well as bottlenecking to indicate where the transportation network is failing. Responsible for Hillsborough County daily traffic signal operations utilizing the Advanced Traffic Management Systems (ATMS) ATMS.now system. Supervision and QA/QC traffic signal system timing development to ensure state and federal compliance. This includes performing and reviewing collected data as well as reviewing corridor analysis (Synchro) and post-implementation evaluation. Coordinated with surrounding local and state municipalities. Interacted with citizens concerning complaints from initial contact, observations, and analyses to reporting.</p>			
12/16 – 04/18	<p>City of Tampa Transportation and Stormwater Services – Traffic Engineering. Responsible for implementing and managing the Active Traffic Management (ATM) program. Responsible for daily traffic signal operations utilizing the legacy Municipal Traffic Control System (MTCS) system in conjunction with the Advanced Traffic Management Systems (ATMS) Centracs system. Supervision and QA/QC traffic signal system timing development to ensure state and federal compliance. This includes performing and reviewing collected data as well as reviewing corridor analysis (Synchro) and post-implementation evaluation. Responsible for traffic signal engineering studies. This includes but is not limited to data collection and analysis to determine traffic volumes, crash and safety analysis, and field review of existing roadway characteristics for potential operational improvements. Interacted with citizens concerning complaints from initial contact, observations, and analyses to reporting. Responsible for developing special events Traffic Control Plans (TCP) and managing event day congestion and traffic mitigation. This includes developing special signals timings as well as real-time signal timing and phasing adjustments to alleviate congestion Responsible for supervising daily operations of the Tampa-Hillsborough Expressway Authority (THEA) Reversible Expressway Lanes (REL).</p>			

Brian Gentry, PE, PTOE, page 2

06/16 – 12/16	FDOT District 7 Traffic Operations. Transportation Systems Management & Operations (TSM&O) Engineer responsible for conducting special and complex traffic operational studies to determine if operational or safety problems exist and if so, prepared recommendations for improvement including analyzing crash data, turning movement counts, signal operations and field observations along with preparing reports in conformance with the Manual on Uniform Traffic Control Devices (MUTCD), Manual for Uniform Traffic Studies (MUTS) and accepted traffic engineering principles. Aided and supported as required in the preparation of engineering documents needed in defense of the department in legal matters and lawsuits. Interacted with citizens concerning complaints from initial contact, observations, and analyses to reporting. Acted as traffic signal control liaison to 9 local municipalities including Hillsborough, Pinellas, Pasco, Hernando and Citrus Counties. Reviewed traffic signal plans and permit applications for compliance with Department of Transportation standards and the MUTCD.
12/14 – 06/16	City of Tampa Transportation Division - Traffic Engineering. Access Management Engineer responsible for supervising section responsible for permitting objects within the City of Tampa (COT) rights of way. Responsible for maintaining and enforcing City of Tampa Code of Ordinances, Chapter 22 and Chapter 25. Responsible for developing major special event Traffic Control Plans (TCP). This includes providing plans for temporary Maintenance of Traffic Devices (MOT), temporary signing and pavement markings as well as providing appropriate detour routes in accordance with FDOT Standard Plans. Supervised the management of special event traffic such as Tampa Bay Buccaneer games, Ameli events and large, unique events such as Gasparilla, the third-largest parade in the nation.
07/12 – 10/12	Gannett Fleming Transportation Division. Traffic/ITS Engineer responsible for supervising ITS group in absence of ITS Manager. Oversaw bidding project development throughout planning and design phases for multiple counties in Florida. Performed construction engineering and inspection (CEI) services. Responsible for supervising traffic signal design and timing related to ITS projects.
11/07 – 07/12	City of Tampa Transportation Division - Traffic Engineering. Traffic Signal Design Engineer responsible for day to day operations of the Traffic Management Center (TMC). Responsible for the design and review of traffic signal improvements. Including signalization and signing and pavement marking plans. Signalization plans require calculations of timings in accordance with FHWA guidelines, the standard operation procedure (SOP) of the signal, as well as equipment locations and structural analysis of poles and foundations. Responsible for the operation of approximately 550 traffic signals. Prepared and maintained signal timings in accordance with state and federal regulations. Responsible for Traffic Incident Management (TIM) utilizing Intelligent Transportation Systems (ITS) including approximately 75 Closed Circuit Television Cameras (CCTV) and Dynamic Message Signs (DMS). Conducted signal warrant studies to determine whether installation of a traffic control signal is justified at a particular location per the Manual on Uniform Traffic Control Devices (MUTCD) standards. Supervised the safe operation of the Leroy Selmon Expressway Reversible Elevated Lanes (REL). Supervised the management of special event traffic such as Tampa Bay Buccaneer games, Amalie Arena events and large, unique events such as Gasparilla, the third-largest parade in the nation. Acted as liaison between the TMC, the Tampa-Hillsborough Expressway Authority (THEA), Tampa Police Department (TPD), Hillsborough County, and Florida Department of Transportation (FDOT).
01/16 – Present	Expert Witness for State and Municipal Clients. Represented the State of Florida and Florida Municipalities in several court cases. Researched, produced and submitted documents to client pertaining to the operation of the traffic control signal, roadway design, and traffic conditions.

16. Staff Experience:

Name	David Hannah		Years of experience with this firm/employer	8
Title	Analysis Manager		Years of experience with other firm(s)/employer(s)	23
Degree(s) / Years / Specialization			B.S. / 1998-2001 / Business Management and Mathematics	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Analysis Manager in charge of ensuring accuracy of data and timely reporting of analysis	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
1/19 – 11/19	NCDOT Seasonal Count Program – 129 Count Locations (NCDOT On-Call). Analysis Manager for on-call contract for hundreds of counts annually across the State of North Carolina and all 14 NCDOT divisions. A variety of traffic count data is collected including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the NCDOT guidelines which includes the collection of photos of each approach and additional onsite information such as speed limits, road names, diagrams, adjacent land use information, lighting and weather conditions.			
8/20	City of College Station, TX. Analysis Manager for 12-hour turn movement counts at 20 intersections. The project included 12 hour turn movement counts at twenty intersections from 7am to 7pm. Marr Traffic data collection cameras were installed to record video footage which was then analyzed to provide classified turn movement counts broken down into 15 minute intervals with hourly totals and peak hour data.			
2/21 – 2/25	SCDOT Traffic Data Collection On-Call (5-year contract). Analysis Manager for an exclusive 5 year contract by the South Carolina Department of Transportation. Collect a variety of traffic count data across the State including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the SCDOT guidelines which includes the collection of photos of each approach and additional onsite information such as speed limits, road names, diagrams, adjacent land use information, lighting and weather conditions.			
02/22 – 05/22	Nashville Department of Transportation Traffic Calming Project (sub to Kimley Horn). Analysis Manager. On behalf of Nashville Dept. of Transportation, Marr Traffic acted as a sub-consultant for Kimley Horn to collect traffic data throughout the city of Nashville. The project included the collection of 24-hour volume and classification counts at approximately 350 locations. Marr Traffic installed tube counters at every location to gather the necessary data, utilizing their vast resources of equipment and staff, and extensive experience of large-scale projects to ensure that data was delivered on time and on budget.			
11/21 – 1/22	Shelby County, TN 24-hour Ramp Counts (sub to The Corradino Group). Analysis Manager. On behalf of The Corradino Group, Marr Traffic was selected to collect traffic data throughout Shelby County, TN. The project included the collection of 24-hour volume and classification counts at approximately 300 ramp count locations. Marr Traffic planned and coordinated all counts using their vast experience to install tube counters at every location. All requested data was gathered, providing all speed and volume counts in the requested speed categories and in 15 minute intervals. Marr Traffic ensured that all data was delivered on time and on budget.			
7/17 – 9/17	Mattern & Craig TDOT Safety Project – 211 Count Locations. Analysis Manager for partnership with Mattern & Craig to collect traffic data for a TDOT safety project. The project included 24-hour, directional volumes (to be collected on non-holiday Tuesdays, Wednesdays, or Thursdays) at a total of 211 locations across 22 counties in East Tennessee. The count locations were all on local, County-maintained routes, mostly 2-lane roadways with ADT’s in the 1000 vpd range. Marr traffic data collection cameras were installed to record footage for 24 hours, midnight to midnight. The footage was then analyzed to provide classified vehicle turn movement counts at all locations broken down into 15-minute intervals with hourly totals and peak hour data.			

16. Staff Experience:

Name	Neil McMillan		Years of experience with this firm/employer	8
Title	Reports Manager		Years of experience with other firm(s)/employer(s)	22
Degree(s) / Years / Specialization		B.A / 1998-2001 / Psychology		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Reports Manager ensuring accurate reports and clear presentation of data		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
1/19 – 11/19	NCDOT Seasonal Count Program – 129 Count Locations (NCDOT On-Call). Reports Manager for on-call contract for hundreds of counts annually across the State of North Carolina and all 14 NCDOT divisions. A variety of traffic count data is collected including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the NCDOT guidelines which includes the collection of photos of each approach and additional onsite information such as speed limits, road names, diagrams, adjacent land use information, lighting and weather conditions.			
8/20	City of College Station, TX. Reports Manager for 12-hour turn movement counts at 20 intersections. The project included 12 hour turn movement counts at twenty intersections from 7am to 7pm. Marr Traffic data collection cameras were installed to record video footage which was then analyzed to provide classified turn movement counts broken down into 15 minute intervals with hourly totals and peak hour data.			
2/21 – 2/25	SCDOT Traffic Data Collection On-Call (5-year contract). Reports Manager for an exclusive 5 year contract by the South Carolina Department of Transportation. Collect a variety of traffic count data across the State including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the SCDOT guidelines which includes the collection of photos of each approach and additional onsite information such as speed limits, road names, diagrams, adjacent land use information, lighting and weather conditions.			
02/22 – 05/22	Nashville Department of Transportation Traffic Calming Project (sub to Kimley Horn). Reports Manager. On behalf of Nashville Dept. of Transportation, Marr Traffic acted as a sub-consultant for Kimley Horn to collect traffic data throughout the city of Nashville. The project included the collection of 24-hour volume and classification counts at approximately 350 locations. Marr Traffic installed tube counters at every location to gather the necessary data, utilizing their vast resources of equipment and staff, and extensive experience of large-scale projects to ensure that data was delivered on time and on budget.			
11/21 – 1/22	Shelby County, TN 24-hour Ramp Counts (sub to The Corradino Group). Reports Manager. On behalf of The Corradino Group, Marr Traffic was selected to collect traffic data throughout Shelby County, TN. The project included the collection of 24-hour volume and classification counts at approximately 300 ramp count locations. Marr Traffic planned and coordinated all counts using their vast experience to install tube counters at every location. All requested data was gathered, providing all speed and volume counts in the requested speed categories and in 15 minute intervals. Marr Traffic ensured that all data was delivered on time and on budget.			
7/17 – 9/17	Mattern & Craig TDOT Safety Project – 211 Count Locations. Reports Manager for partnership with Mattern & Craig to collect traffic data for a TDOT safety project. The project included 24-hour, directional volumes (to be collected on non-holiday Tuesdays, Wednesdays, or Thursdays) at a total of 211 locations across 22 counties in East Tennessee. The count locations were all on local, County-maintained routes, mostly 2-lane roadways with ADT’s in the 1000 vpd range. Marr traffic data collection cameras were installed to record footage for 24 hours, midnight to midnight. The footage was then analyzed to provide classified vehicle turn movement counts at all locations broken down into 15-minute intervals with hourly totals and peak hour data.			

16. Staff Experience:

Name	Griffin Holloway		Years of experience with this firm/employer	1.5
Title	Analysis Manager		Years of experience with other firm(s)/employer(s)	4
Degree(s) / Years / Specialization			B.A. / 2018 / Marketing	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Scheduling Manager for traffic data collection projects	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/22 – Present	TDOT Long Range Planning Southeastern TN – Scheduling Manager for the Long Range Planning traffic counts for Southeastern, TN. The project includes nine hundred and forty-eight (Twenty-four hour) bi-directional counts that will be collected weekly until the end of 2022. Each week 100+ locations will be scheduled for collection. Data delivery will be ongoing and delivered in batches. Marr traffic data collection cameras were installed to record video footage which was then analyzed to provide classified turn movement counts broken down into 15-minute intervals with hourly totals and peak hour data.			
9/22	Sebring, FL Traffic Data Collection Counts, Sub to NV5. Client/Project Manager for Traffic Data Collection counts in Sebring, FL. The project included five (2-hour) classified Turn Movement Counts with Pedestrians, Bikes, and FHWA classification separated out for five intersections. All sites were counted simultaneously and delivered within one week from collection date. Marr traffic data collection cameras were installed to record video footage which was then analyzed to provide classified turn movement counts broken down into 15-minute intervals with hourly totals and peak hour data.			
9/22	Brevard County, FL Traffic Counts, Sub to Metric Engineering. Client/Project Manager for collection of 8 traffic counts as a sub consultant for Metric Engineering. The project included five 8-hour turn movement counts and three 24-hour bi- directional counts. All sites were collected simultaneously. Marr traffic data collection cameras were installed to record video footage which was then analyzed to provide classified turn movement counts broken down into 15-minute intervals with hourly totals and peak hour data.			
11/22 – Present	FDOT D7 TSM&O Contract Sub to Metric Engineering Client/Project Manager for collection of various sites throughout District 7. The contract includes Turning Movement Counts, Bi-Directional Counts, and Delay Studies. Marr traffic data collection cameras are installed to record video footage of each requested site. All data has been delivered on time and on budget.			
8/22	Hall County, GA (sub to Arcadis). Client/Project Manager - Thirty 6-hour TMC’s & Ninety-five 48 hour tube counts.			
6/23 – Present	City of Cocoa, FL (sub to Metric Engineering) – Continuing services contract for multiple traffic counts on an on-call basis.			

16. Staff Experience:

Name	Rob Miller		Years of experience with this firm/employer	7
Title	Operations Manager		Years of experience with other firm(s)/employer(s)	10
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Operations Manager responsible for oversight and strategy for operational planning and support for Marr Traffic field data teams		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
1/19 – 11/19	NCDOT Seasonal Count Program – 129 Count Locations (NCDOT On-Call). Operations Manager for on-call contract for hundreds of counts annually across the State of North Carolina and all 14 NCDOT divisions. A variety of traffic count data is collected including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the NCDOT guidelines which includes the collection of photos of each approach and additional onsite information such as speed limits, road names, diagrams, adjacent land use information, lighting and weather conditions.			
8/20	City of College Station, TX. Operations Manager for 12-hour turn movement counts at 20 intersections. The project included 12 hour turn movement counts at twenty intersections from 7am to 7pm. Marr Traffic data collection cameras were installed to record video footage which was then analyzed to provide classified turn movement counts broken down into 15 minute intervals with hourly totals and peak hour data.			
2/21 – 2/25	SCDOT Traffic Data Collection On-Call (5-year contract). Operations Manager for an exclusive 5 year contract by the South Carolina Department of Transportation. Collect a variety of traffic count data across the State including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the SCDOT guidelines which includes the collection of photos of each approach and additional onsite information such as speed limits, road names, diagrams, adjacent land use information, lighting and weather conditions.			
02/22 – 05/22	Nashville Department of Transportation Traffic Calming Project (sub to Kimley Horn). Operations Manager. On behalf of Nashville Dept. of Transportation, Marr Traffic acted as a sub-consultant for Kimley Horn to collect traffic data throughout the city of Nashville. The project included the collection of 24-hour volume and classification counts at approximately 350 locations. Marr Traffic installed tube counters at every location to gather the necessary data, utilizing their vast resources of equipment and staff, and extensive experience of large-scale projects to ensure that data was delivered on time and on budget.			
11/21 – 1/22	Shelby County, TN 24-hour Ramp Counts (sub to The Corradino Group). Operations Manager. On behalf of The Corradino Group, Marr Traffic was selected to collect traffic data throughout Shelby County, TN. The project included the collection of 24-hour volume and classification counts at approximately 300 ramp count locations. Marr Traffic planned and coordinated all counts using their vast experience to install tube counters at every location. All requested data was gathered, providing all speed and volume counts in the requested speed categories and in 15 minute intervals. Marr Traffic ensured that all data was delivered on time and on budget.			
7/17 – 9/17	Mattern & Craig TDOT Safety Project – 211 Count Locations. Operations Manager for partnership with Mattern & Craig to collect traffic data for a TDOT safety project. The project included 24-hour, directional volumes (to be collected on non-holiday Tuesdays, Wednesdays, or Thursdays) at a total of 211 locations across 22 counties in East Tennessee. The count locations were all on local, County-maintained routes, mostly 2-lane roadways with ADT’s in the 1000 vpd range. Marr traffic data collection cameras were installed to record footage for 24 hours, midnight to midnight. The footage was then analyzed to provide classified vehicle turn movement counts at all locations broken down into 15-minute intervals with hourly totals and peak hour data.			

17. Firm Experience:

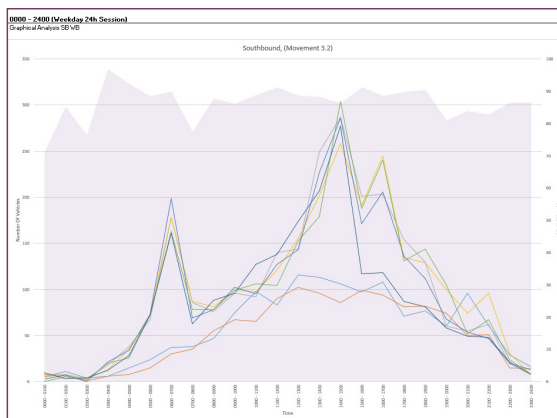
Firm name	Marr Traffic	Past Performance Evaluation Discipline(s)*	Data Collection
Project name	NCDOT Seasonal Count Program – 129 Count Locations (NCDOT On-Call)	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner’s name	North Carolina Department of Transportation
Project location	State of North Carolina	Owner’s Project Manager	Celeste M. Semanick, Traffic Safety Project Engineer
Owner’s address, phone, email	NCDOT 750 North Greenfield Parkway, Garner, NC 27529, 919-814-5119, cmsemanick@ncdot.gov		
Services commenced by this firm (mm/yy)	1/19	Total consultant contract cost (\$1,000’s)	Not disclosed
Services completed by this firm (mm/yy)	11/19	Cost of consultant services provided by this firm (\$1,000’s)	\$300

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

As part of the NCDOT statewide traffic data collection on-call contract Marr Traffic collected traffic count data for the seasonal count program. The project included the collection of five day 24-hour Volume and Classification Count Data at 129 count locations across Durham, Hoke, Greene and Northampton counties. The data was collected Wednesday through Sunday during a scheduled period in all seasons – Winter, Spring, Summer, and Fall. Marr Traffic data collection cameras were installed to record video footage which was then analyzed to provide classified volume counts broken down into 15-minute intervals with hourly totals and peak hour data. Staff members: Nate Prathaftakis, Murray Allan, David Hannah, Neil McMillan, Rob Miller



MarrCam traffic camera photo



Speed Survey Data (Graph)

Time	Performance (Measurement 1)										
	Class 0	Class 1	Class 2	Class 3	Class 4	Class 5	Class 6	Class 7	Class 8	Class 9	Class 10
00:00:00	0	0	0	0	0	0	0	0	0	0	0
00:00:15	0	0	0	0	0	0	0	0	0	0	0
00:00:30	0	0	0	0	0	0	0	0	0	0	0
00:00:45	0	0	0	0	0	0	0	0	0	0	0
00:01:00	0	0	0	0	0	0	0	0	0	0	0
00:01:15	0	0	0	0	0	0	0	0	0	0	0
00:01:30	0	0	0	0	0	0	0	0	0	0	0
00:01:45	0	0	0	0	0	0	0	0	0	0	0
00:02:00	0	0	0	0	0	0	0	0	0	0	0
00:02:15	0	0	0	0	0	0	0	0	0	0	0
00:02:30	0	0	0	0	0	0	0	0	0	0	0
00:02:45	0	0	0	0	0	0	0	0	0	0	0
00:03:00	0	0	0	0	0	0	0	0	0	0	0
00:03:15	0	0	0	0	0	0	0	0	0	0	0
00:03:30	0	0	0	0	0	0	0	0	0	0	0
00:03:45	0	0	0	0	0	0	0	0	0	0	0
00:04:00	0	0	0	0	0	0	0	0	0	0	0
00:04:15	0	0	0	0	0	0	0	0	0	0	0
00:04:30	0	0	0	0	0	0	0	0	0	0	0
00:04:45	0	0	0	0	0	0	0	0	0	0	0
00:05:00	0	0	0	0	0	0	0	0	0	0	0
00:05:15	0	0	0	0	0	0	0	0	0	0	0
00:05:30	0	0	0	0	0	0	0	0	0	0	0
00:05:45	0	0	0	0	0	0	0	0	0	0	0
00:06:00	0	0	0	0	0	0	0	0	0	0	0
00:06:15	0	0	0	0	0	0	0	0	0	0	0
00:06:30	0	0	0	0	0	0	0	0	0	0	0
00:06:45	0	0	0	0	0	0	0	0	0	0	0
00:07:00	0	0	0	0	0	0	0	0	0	0	0
00:07:15	0	0	0	0	0	0	0	0	0	0	0
00:07:30	0	0	0	0	0	0	0	0	0	0	0
00:07:45	0	0	0	0	0	0	0	0	0	0	0
00:08:00	0	0	0	0	0	0	0	0	0	0	0
00:08:15	0	0	0	0	0	0	0	0	0	0	0
00:08:30	0	0	0	0	0	0	0	0	0	0	0
00:08:45	0	0	0	0	0	0	0	0	0	0	0
00:09:00	0	0	0	0	0	0	0	0	0	0	0
00:09:15	0	0	0	0	0	0	0	0	0	0	0
00:09:30	0	0	0	0	0	0	0	0	0	0	0
00:09:45	0	0	0	0	0	0	0	0	0	0	0
00:10:00	0	0	0	0	0	0	0	0	0	0	0
00:10:15	0	0	0	0	0	0	0	0	0	0	0
00:10:30	0	0	0	0	0	0	0	0	0	0	0
00:10:45	0	0	0	0	0	0	0	0	0	0	0
00:11:00	0	0	0	0	0	0	0	0	0	0	0
00:11:15	0	0	0	0	0	0	0	0	0	0	0
00:11:30	0	0	0	0	0	0	0	0	0	0	0
00:11:45	0	0	0	0	0	0	0	0	0	0	0
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00:13:15	0	0	0	0	0	0	0	0	0	0	0
00:13:30	0	0	0	0	0	0	0	0	0	0	0
00:13:45	0	0	0	0	0	0	0	0	0	0	0
00:14:00	0	0	0	0	0	0	0	0	0	0	0
00:14:15	0	0	0	0	0	0	0	0	0	0	0
00:14:30	0	0	0	0	0	0	0	0	0	0	0
00:14:45	0	0	0	0	0	0	0	0	0	0	0
00:15:00	0	0	0	0	0	0	0	0	0	0	0
00:15:15	0	0	0	0	0	0	0	0	0	0	0
00:15:30	0	0	0	0	0	0	0	0	0	0	0
00:15:45	0	0	0	0	0	0	0	0	0	0	0
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00:16:15	0	0	0	0	0	0	0	0	0	0	0
00:16:30	0	0	0	0	0	0	0	0	0	0	0
00:16:45	0	0	0	0	0	0	0	0	0	0	0
00:17:00	0	0	0	0	0	0	0	0	0	0	0
00:17:15	0	0	0	0	0	0	0	0	0	0	0
00:17:30	0	0	0	0	0	0	0	0	0	0	0
00:17:45	0	0	0	0	0	0	0	0	0	0	0
00:18:00	0	0	0	0	0	0	0	0	0	0	0
00:18:15	0	0	0	0	0	0	0	0	0	0	0
00:18:30	0	0	0	0	0	0	0	0	0	0	0
00:18:45	0	0	0	0	0	0	0	0	0	0	0
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00:20:15	0	0	0	0	0	0	0	0	0	0	0
00:20:30	0	0	0	0	0	0	0	0	0	0	0
00:20:45	0	0	0	0	0	0	0	0	0	0	0
00:21:00	0	0	0	0	0	0	0	0	0	0	0
00:21:15	0	0	0	0	0	0	0	0	0	0	0
00:21:30	0	0	0	0	0	0	0	0	0	0	0
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00:28:45	0	0	0	0	0	0	0	0	0	0	0
00:29:00	0	0	0	0	0	0	0	0	0	0	0
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00:29:30	0	0	0	0	0	0	0	0	0	0	0
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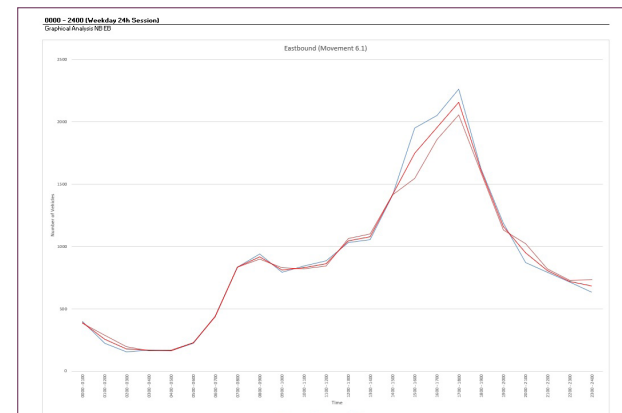
Classification Data Report

17. Firm Experience:

Firm name	Marr Traffic	Past Performance Evaluation Discipline(s)*	Data Collection
Project name	SCDOT Statewide Services – 5 Year Exclusive Contract	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner’s name	South Carolina Department of Transportation
Project location	Across the state of South Carolina	Owner’s Project Manager	Tammy O’Quinn, Procurement Manager
Owner’s address, phone, email	955 Park Street, Columbia SC 29201-3976, 803-737-3378, OQuinnTM@scdot.org		
Services commenced by this firm (mm/yy)	2/21	Total consultant contract cost (\$1,000’s)	Not disclosed
Services completed by this firm (mm/yy)	2/25	Cost of consultant services provided by this firm (\$1,000’s)	\$100

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

Marr Traffic was selected ahead of nine other firms and awarded an exclusive five-year contract by the South Carolina Department of Transportation. Marr Traffic will collect a variety of traffic count data across the State, including turn movement counts, volume and classification counts, school operations, speed data and pedestrian counts. Data is collected following the SCDOT guidelines, which includes the collection of photos of each approach and additional onsite information such as speed limits, road names, diagrams, adjacent land use information, lighting and weather conditions. Staff members: Nate Prathaftakis, Murray Allan, David Hannah, Neil McMillan, Rob Miller



Bi Directional Graph

17. Firm Experience:

Firm name	Marr Traffic	Past Performance Evaluation Discipline(s)*	Data Collection
Project name	Slidell, LA, Traffic Counts	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	City of Slidell, LA
Project location	Slidell, Louisiana	Owner's Project Manager	Jeremy Greer, P.E.
Owner's address, phone, email	2 Perimeter Park South, Suite 500 East, Birmingham, AL 35243 (205) 940-6420, jgreer@sain.com		
Services commenced by this firm (mm/yy)	01/2022	Total consultant contract cost (\$1,000's)	Not disclosed
Services completed by this firm (mm/yy)	02/2022	Cost of consultant services provided by this firm (\$1,000's)	\$5.7

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

Marr Traffic was selected to provide traffic data collection for the City of Slidell. The counts included 11 turn movement counts, three 24-hour bi-directional counts with classification and speed. Staff members: Nate Prathaftakis, Murray Allan, David Hannah, Neil McMillan, Rob Miller



17. Firm Experience:

Firm name	Marr Traffic	Past Performance Evaluation Discipline(s)*	Data Collection
Project name	TDOT Long Range Planning Division – Interstate Truck Data (sub to Ragan Smith)	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner’s name	TDOT (prime was Ragan Smith Associates)
Project location	Across the state of South Carolina	Owner’s Project Manager	Tammy O’Quinn, Procurement Manager
Owner’s address, phone, email	315 Woodland Street, Nashville, TN37206, (615) 244-8591, bbaxter@ragansmith.com		
Services commenced by this firm (mm/yy)	10/20	Total consultant contract cost (\$1,000’s)	Not disclosed
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000’s)	\$285

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

For Tennessee Dept. of Transportation Long Range Planning Division’s Interstate Truck Data, Marr Traffic acted as a sub-consultant for Ragan Smith to collect all required traffic data. The project included the collection of 24-hour volume and classification counts at 19 locations throughout the state of Tennessee. Data was collected at these 19 locations at regular intervals throughout the year to provide the necessary baseline figures the DOT required from varying seasons and conditions. Staff members: Nate Prathaftakis, Murray Allan, David Hannah, Neil McMillan, Rob Miller



Bi-Directional Speed & Class Count NB EB															
Marr Traffic DATA COLLECTION www.marrtraffic.com															
Site 3 Sulphur Springs Rd, north of Gateway Service Park Rd															
Date Saturday, May 7, 2022															
Weather Cloudy 58°F															
Lat/Long 36.192769° - 83.297597° Click here for Map															
0000 - 2400 (Weekly 24h Session)															
NB EB Speed 15min															
Time	NB					Northbound (Movement 1)									15min Total
	5-14 mph	15-19 mph	20-24 mph	25-29 mph	30-34 mph	35-39 mph	40-44 mph	45-49 mph	50-54 mph	55-59 mph	60-64 mph	65-69 mph	70-74 mph	75-79 mph	
0000 - 0015	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3
0015 - 0030	0	0	0	1	3	2	0	0	0	0	0	0	0	0	6
0030 - 0045	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
0045 - 0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0115	0	0	0	2	1	1	0	0	0	0	0	0	0	0	4
0115 - 0130	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
0130 - 0145	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2
0145 - 0200	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
0200 - 0215	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
0215 - 0230	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0230 - 0245	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0245 - 0300	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
0300 - 0315	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
0315 - 0330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0330 - 0345	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
0345 - 0400	0	0	0	0	1	2	0	0	0	0	0	0	0	0	3
0400 - 0415	0	0	0	1	0	3	0	0	0	0	0	0	0	0	4
0415 - 0430	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
0430 - 0445	0	0	0	1	2	0	1	0	0	0	0	0	0	0	4
0445 - 0500	0	0	0	0	2	3	0	0	0	0	0	0	0	0	5
0500 - 0515	0	0	0	1	1	1	1	0	0	0	0	0	0	0	4
0515 - 0530	0	0	0	2	0	0	1	0	0	0	0	0	0	0	3
0530 - 0545	0	0	1	1	3	2	2	0	1	0	0	0	0	0	12

17. Firm Experience:

Firm name	Marr Traffic	Past Performance Evaluation Discipline(s)*	Data Collection
Project name	I-285 Westside Express Lanes Project (sub to Arcadis)	Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	City of Atlanta, GA (Arcadis was prime)
Project location	Atlanta, GA	Owner's Project Manager	Shuqi Xu
Owner's address, phone, email	2839 Paces Ferry Road, Suite 900, Atlanta, GA, 30339, 404-692-6012, Shuqi.xu@arcadis.com		
Services commenced by this firm (mm/yy)	02/22	Total consultant contract cost (\$1,000's)	Not disclosed
Services completed by this firm (mm/yy)	04/22	Cost of consultant services provided by this firm (\$1,000's)	\$151

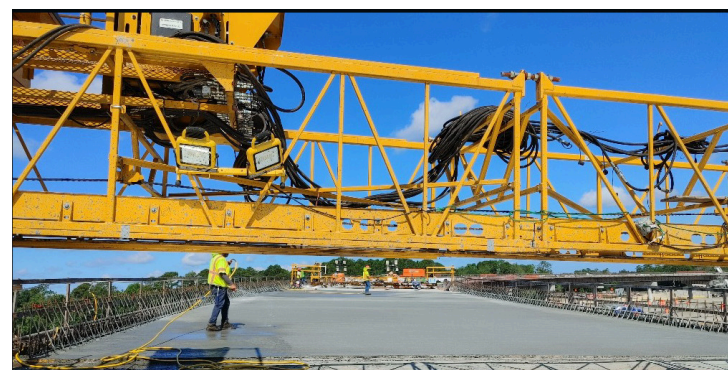
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

Arcadis selected Marr Traffic to collect traffic data throughout the length of the I-285 Westside Express Lanes construction area. The project included the collection of the following sets of traffic data:

- TMC Class Counts: 150 Locations for 6 hours per day and for 2 Days.
- Arterial Class Counts: 350 Locations for 48 Hours.
- Ramp Class Counts: 150 Locations for 48 Hours.
- Interstate Video Class Counts: 30 Locations for 48 Hours.

Marr Traffic utilized all of its experience and resources to undertake a project of this size, installing tube counters where safe and appropriate to do so, and cameras at all remaining sites. The data was then analyzed to provide classified turn movement counts broken down into 15-minute intervals with hourly totals and peak hour data, as well as speed and volume data also in 15 minute intervals and segmented into speed intervals. All data was delivered on time and on budget. Staff members: Nate Prathaftakis, Murray Allan, David Hannah, Neil McMillan, Rob Miller

The I-285 Express Lanes project will increase capacity with two, new, barrier-separated, dedicated express lanes in each direction.



Marr Traffic collected traffic data throughout the construction area of the I-285 Westside project.

18. Approach and Methodology:

SPECIALIZED EXPERIENCE, COMPETENCE, AND QUALIFICATIONS PERTINENT TO TRAFFIC MONITORING

Accurate data delivered quickly has a direct impact on budgets, safety, and growth management. With traffic data from a trusted source, communities can make informed decisions as they manage traffic flow, plan future infrastructure needs, proscribe pavement markings and signage, set maintenance schedules, and prepare for future events. In recent times the way in which schools, workforces, families and communities engage the transportation network has changed and will continue to evolve as we move towards the new normal. We realize now more than ever **accurate and actionable traffic data** is important to assist our partners at Cities, MPOs, Departments of Transportation, and Engineering firms as they coordinate and implement changes to enhance the mobility and transportation practices of the future.

Marr Traffic is your trusted source for accurate data. We have extensive experience in exactly the types of traffic counts you are requesting. Examples of our services include but are not limited to Turning Movement Counts, Speed/Volume and Class Surveys, Parking Studies, Pedestrian and Cyclist Counts, Origin-Destination Surveys, Travel-Time Studies, Roundabout Counts, Drone Surveys with artificial intelligence safety analysis, Queue Length Surveys, and Stop Line Delay Analysis. These services have been completed for cities, counties, Metropolitan Planning Organizations, and State Departments of Transportation throughout the U.S.

Marr Traffic specializes in advanced traffic data collection, with a particular focus on intersection and roundabout safety. Our MarrCam traffic data collection cameras are some of the **most technologically advanced in the industry**. In addition to standard data collection, Marr Traffic was an early adopter of using **drone technology** for enhanced data collection. The available 4K video, aerial views and high definition photography allow for excellent analysis of complex intersections, roundabouts and interchanges.



Marr Traffic has vast experience working with Cities, Counties, and Departments of Transportation. Currently we have a three-year statewide data collection contract with the North Carolina Department of Transportation. In February 2021 Marr was also awarded an **exclusive five-year statewide data collection contract** with the South Carolina Department of Transportation. Marr has also worked as a subconsultant with several engineering firms for on-call contracts with both the Tennessee Department of Transportation Long Range Planning and the Strategic Transportation Investment Divisions (STID). Similarly in Georgia Marr Traffic is part of several engineering teams for the Georgia Department of Transportation's Regional Traffic Operations Program (RTOP) and the Regional Traffic Signal Operations (RTSO) contracts.

PROJECT MANAGEMENT

Marr Traffic follows a detailed four-phase process to successfully plan, execute, analyze and deliver all of our traffic data collection projects. At the earliest opportunity the Project Manager will have a detailed team meeting to ensure that all Marr Traffic team members assigned to the project have an excellent comprehension of all project requirements and expectations. Nate will oversee all phases of the project from planning to deliverables.

Four-Phase Strategy

1. **Planning Phase** - This step is crucial to the successful completion of the DOTD count request. It involves these steps:
 - Review DOTD request and review location list using Google Earth and Street View to assess each count location.
 - Choose most efficient and effective collection methodology, technology, safety plan, and installation protocol for each location.
 - Identify and summarize location details affecting schedule, safety, and accuracy in a Master Project Plan.
 - Respond to DOTD request within 24 hours to address any potential issues, review plan, modify as needed, and get DOTD approval.
 - Obtain any necessary permits and notify DOTD personnel and local agencies, if applicable.
 - Create final project documentation for use throughout the request life cycle, containing the specific details previously discussed.

// Marr Traffic has been assisting us with a majority of TDOT’s required turning movement counts across the state...for the timely manner as well as the accuracy with which they are completed, I have received praises from TDOT staff.”

- Brian Gaffney, PE, Alfred Benesch & Company

- 2. **Execution Phase** - Implement processes and procedures, execute project scope, assign clear responsibilities and accountabilities, direct required resources, monitor progress, and maintain timely communication with all stakeholders.
- 3. **Analysis Phase** - Review field work, submit data for analysis, follow QA/QC plan, generate data reports.
- 4. **Deliverables Phase** - Review and deliver final deliverables. Complete execution phase review.

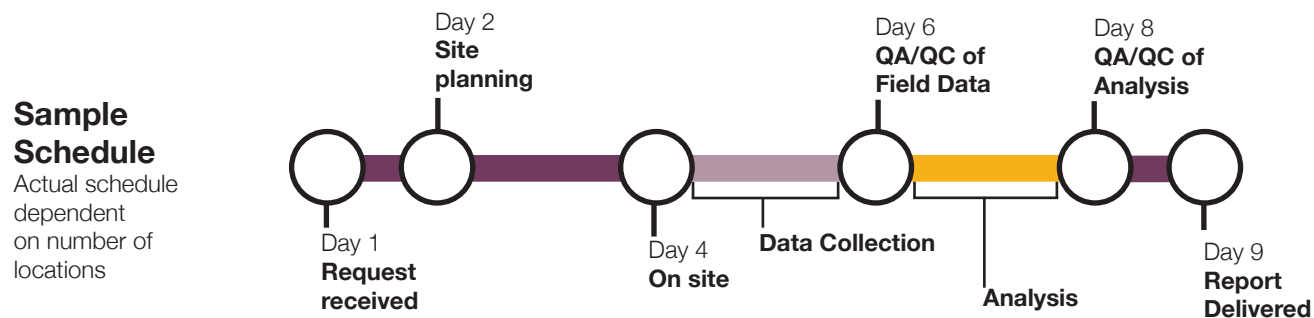
Schedule Management

A detailed schedule and a copy of the Master Project Plan will be distributed to all team members and submitted to our project management software Monday.com. One way Monday.com helps streamline our project management process is by making it easy to assign individual tasks to different members of our team. This creates a comprehensive “timeline” view of our various projects. At a glance, this feature allows all team members to see who is responsible for each part of a project, upcoming deadlines, when different tasks will be completed, as well as task reminders and notifications.

We monitor factors affecting schedule, including school calendars, major events, construction, and weather (current and forecasted) and address any risks to the schedule. We will communicate to DOTD any issues that potentially could affect our ability to obtain quality data.

SAMPLE PROJECT SCHEDULE

Marr is normally able to respond and deploy equipment on short notice, with the timeline from request to equipment being on site usually within a matter of a few days. Once a request is received, Marr’s install team immediately maps all sites via Google Earth and Google Street View and prepares an install sheet with the exact coordinates for site placements and equipment anchoring. After data is collected, Marr’s analysis team thoroughly reviews the data to ensure the collection was healthy for the whole duration. Once all sites have passed the QA/QC process, they are imported into our user-friendly spreadsheets. Reports are delivered in both Excel and PDF formats usually within a few days of the end of the surveys. Raw traffic data is compatible with the DOTD’s version of MS2 Transportation Data Management System. The graphic below shows a typical project schedule.



TRAFFIC MONITORING METHODOLOGY

Marr Traffic will use our MarrCam camera technology for traffic data collection. Marr Traffic has invested in building our inventory to over 800 MarrCams that are readily available for numerous traffic counts. This gives us a weekly capacity to film and survey 1600 different sites and perform turnarounds of the equipment twice per week when necessary. The use of multiple install technicians gives us the ability to undertake in excess of 100 intersections in the same area on the same day simultaneously if and when required. Key advantages of the MarrCam system are:

- Installation only takes a few minutes and the MarrCam can be attached to existing street furniture.
- Rugged, all-weather design means MarrCam is capable of operating in even the most extreme environments.
- MarrCam can be programmed in advance in the comfort of the office, and then switched on once on site for installation.
- MarrCam has been designed with a built-in digital voltmeter and a 5-inch color monitor to allow technicians to verify battery life and display angle for recording.
- Drastically increased safety aspects for all on site installations and equipment removal. Whereas the use of pneumatic tubes requires our technicians to enter the live roadway and have equipment left in situ there for a number of days, our MarrCam cameras are all installed from the safety of the roadside, thus reducing all health and safety issues for both our install team and all road users to an absolute minimum.

This technology allows us to both increase safety and improve data accuracy. Safety is increased by reducing the number of field staff required to be at each count location and reducing the time spent onsite. The collected video footage is reviewed by our dedicated office-based analysis team which allows us to provide higher data accuracy by reducing potential field-based human errors. Footage can be paused during break periods, slowed down or rewatched to ensure a minimum of 98% data accuracy.

For advanced analytics and analysis of complicated intersections, Marr Traffic has a fleet of drones and licensed pilots (FAA Part 107) to collect aerial videography and photography. Via a tethered drone it is also now possible to collect multiple hours of continuous drone footage.



Marr Traffic uses the most advanced traffic data collection cameras available.

APPROACH TO ATTACHMENT A: SCOPE OF SERVICES

General Notes

Marr Traffic will not conduct counts during holidays, annual festivals or under any other abnormal traffic conditions, including weather that may affect normal traffic data collection. Marr also understands the value of data collection when school zone patterns are in effect. In addition, all volume and vehicle classification counts will be counted on the day where required. A weekly activity schedule will be provided to highlight the traffic data collection locations that will be undertaken for that upcoming 7-day period, and a monthly invoice will be created and submitted with supporting documents for processing.

Compatible File Formats and Method of File Transfer

Marr Traffic will utilize the raw traffic data file format compatible with MS2, operated by the DOTD and certified as a current version of traffic data management software.

Types of Services and Traffic Data that Consultant will be required to collect statewide

Marr Traffic will provide blanket traffic volume monitoring, routine traffic volume/ class monitoring at interstate ramps and additional services including site-specific traffic monitoring on urban, rural and statewide traffic facilities. In addition, the firm will be prepared to conduct 7-day, 24-hour counts, and 48-hour counts as well as turning movement counts, provided in 15 minute intervals with peak hour factors.

Statewide blanket volume monitoring session

Marr Traffic will conduct specified routine volume monitoring sessions including short, 48-hour sessions performed for the whole parish at specific sites designated by DOTD and completed within the calendar year assigned. Maps and monitoring site information will be provided. Data shall include nominal traffic volume, including latitude and longitude coordinates of the site obtained by GPS technology. The data will be updated regularly as the counts are completed, never more than one month old.

Statewide Routine volume/class monitoring at Interstate Exit Ramps

Marr Traffic will undertake site-specific traffic monitoring sessions on Monday through Friday, excluding holidays and any other dates that may present abnormal traffic conditions. This will include individual short-session, 48-hr traffic monitoring sessions at specific locations designated by DOTD that will include volume and classification for each interstate ramp. All data provided will be collected simultaneously in fifteen-minute intervals and include the nominal traffic volume for each direction of traffic for each of the 13 Standard Federal Highway Administration (FHWA) Vehicle Classifications and submitted in an approved text file and in format for vehicle volume/classification data according to the FHWA Traffic Monitoring Guide (TMG) through the DOTD-approved upload procedures.

QUALITY CONTROL AND QUALITY ASSURANCE

See “21. QA/QC Plan” for a detailed description of the procedures and or plans used to reasonably assure good quality control and quality assurance, as requested in Attachment B.

// Marr Traffic has performed multiple data collections for us on projects all over North Carolina...We have continued to be impressed with the timeliness and quality of their data collection efforts. I highly recommend Marr Traffic for any data collection services you may need."

--

- Taylor Honeycutt, PE, Exult

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**
Marr Traffic	Data Collection	N/A	N/A	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.**

N/A

21. QA/QC Plan: ATTACHMENT B "A detailed description of the procedures and or plans used to reasonably assure good quality control and

[REDACTED]

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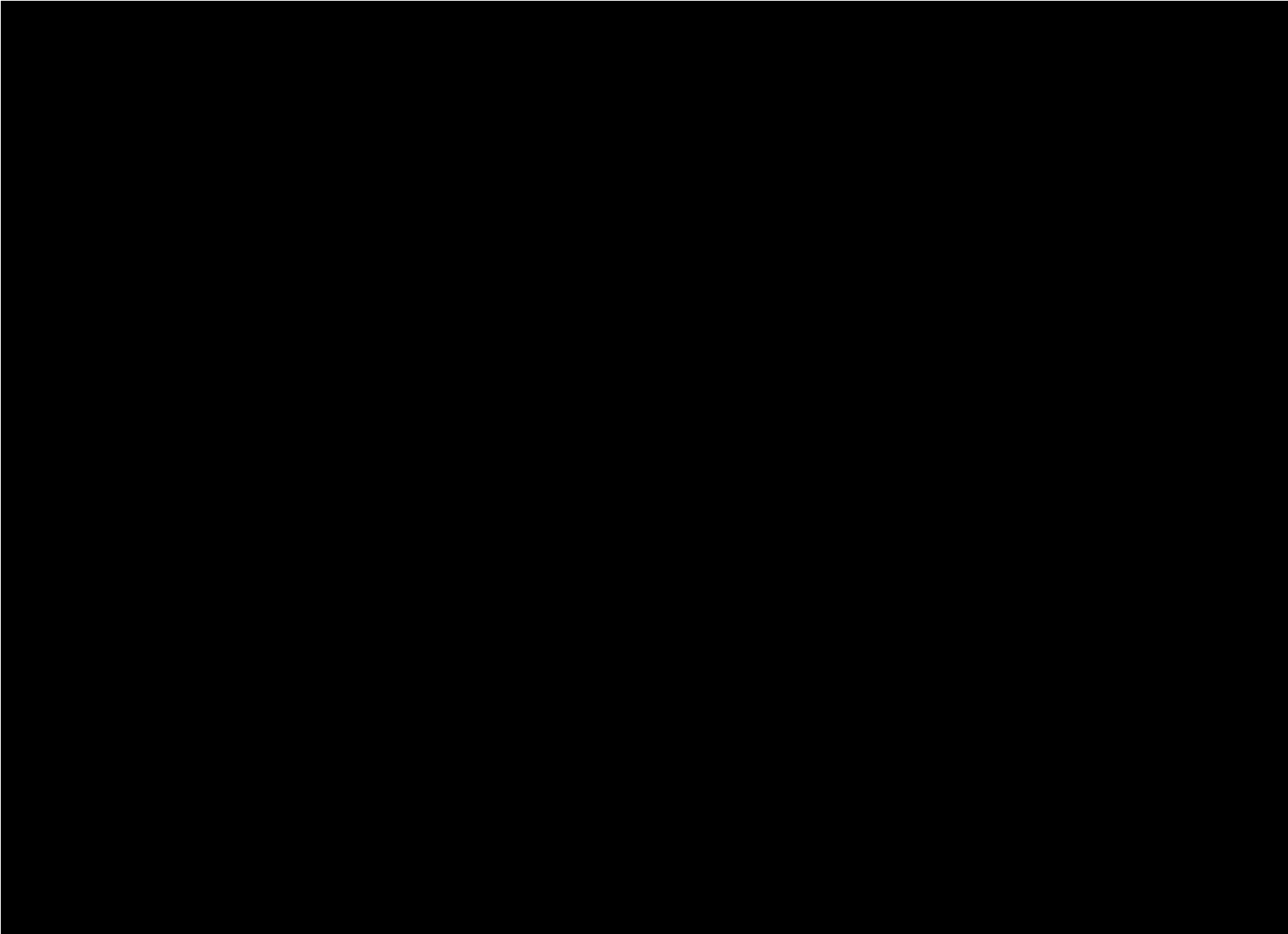
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22. Sub-consultant information:

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 (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
N/A			

(Add rows as needed)

23. Location:

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. Any information included in this section will be redacted if not required by the advertisement.**

N/A



Marr Traffic
DATA COLLECTION