

**ARKANSAS STATE HIGHWAY COMMISSION
ARDOT - EQUIPMENT AND PROCUREMENT DIVISION
BID INVITATION**

Bid Number: M-18-039P

BID OPENING LOCATION:
ARDOT Equipment and
Procurement Division
11302 West Baseline Road
Little Rock, AR 72209

MAIL TO:
ARDOT Equipment and
Procurement Division
P.O. Box 2261
Little Rock, AR 72203

DELIVER TO:
ARDOT Equipment and
Procurement Division
11302 West Baseline Road
Little Rock, AR 72209

Bid Opening Date: April 3, 2018 Time: 11:00 a.m.

Sealed bids for furnishing the commodities and/or services described below, subject to the Standard Bid Conditions of this Bid Invitation will be received at the above-noted mail and delivery locations until the above-noted bid opening date and time, and then publicly opened at the above-noted bid opening location. **Bids must be submitted on this form, with attachments when appropriate, or bids will be rejected. Late bids and unsigned bids will not be considered.**

In compliance with this Bid Invitation and subject to all the Conditions thereof, the undersigned offers and agrees to furnish any and all items upon which prices are quoted, at the price set opposite each item.

Company Name: _____

Name (Type or Print): _____

Address: _____

Title: _____

Phone: _____ Fax: _____

City: _____ State: _____ Zip: _____

E-mail Address: _____

Federal Tax ID or Social Security No.: _____

Signature: _____

Signature must be legible, original (not photocopied) and in ink.
Unsigned bids will be rejected.

Item No.	Description	Quantity	Unit	Unit Price	Amount
1.	Traffic Management Dispatch Consoles to be Delivered and Setup at the ARDOT Central Office Traffic Management Center, 10324 Interstate 30, Little Rock, AR 72209	7	Ea.		
<p>Contact for Technical Information: Joe Hawkins (501-569-2567) Contacts for Bidding Information: Danny Keene (501-569-2674) or Chicita Pate (501-569-2675)</p> <p>All bidders should complete and return the Eligible Bidder Certification (Attachment A), Disclosure Form (see Page 2 of Standard Bid Conditions – Item 18) and Restriction of Boycott of Israel Certification issued with this bid. A current copy of the DFA Illegal Immigrant Contractor Disclosure Certification (see Page 2 of Standard Bid Conditions – Item 17) should also be submitted with bid. These forms are kept on file and remain current for one year from date of submission. Forms do not need to be submitted again, during that time, unless there is a status change.</p> <p>To meet the requirements of Arkansas Department of Transportation Specifications attached to and made a part of this bid.</p> <p>Bid Bond in the amount of \$1,000.00 required of all bidders at time of bid opening or bid will be rejected. <u>Personal and company checks are not acceptable as Bid Bonds.</u> See Condition 4 on page 1 of Standard Bid Conditions. Performance Bond in the amount of 5% of total bid price will be required of successful bidder prior to providing goods/services. <u>Personal and company checks are not acceptable as Performance Bonds.</u> See Condition 4 on page 1 of Standard Bid Conditions.</p> <p>The successful bidder will be required to complete delivery and setup on or before June 13, 2018.</p> <p>Bids and Specifications are available on-line by going to the ARDOT Web Site – www.ardot.gov and clicking on “Commodities and Services Bids/Contracts Information”. Tabulations will also be available at this site after award of bid/contract. If you have any questions, call this office at 501-569-2667.</p>					
(44-4004)				TOTAL BID	

ARDOT - STANDARD BID CONDITIONS

1. **GENERAL:** Any special terms and conditions included in the invitation for bid override these standard terms and conditions. The standard terms and conditions and any special terms and conditions become part of any contract entered into if any or all parts of the bid are accepted by the Arkansas Department of Transportation (ARDOT).
2. **ACCEPTANCE AND REJECTION:** ARDOT reserves the right to reject any or all bids, to accept bids in whole or in part (unless otherwise indicated by bidder), to waive any informalities in bids received, to accept bids on materials or equipment with variations from specifications where efficiency of operation will not be impaired, and to award bids to best serve the interest of the State.
3. **PRICES:** Unless otherwise stated in the Bid Invitation, the following will apply: (1) unit prices shall be bid, (2) prices should be stated in units of quantity specified (feet, each, lbs., etc.), (3) prices must be F.O.B. destination specified in bid, (4) prices must be firm and not subject to escalation, (5) bid must be firm for acceptance for 30 days from bid opening date. In case of errors in extension, unit prices shall govern. Discounts from bid price will not be considered in making awards.
4. **BID BONDS AND PERFORMANCE BONDS:** If required, a **Bid Bond** in the form of a cashier's check, certified check, or surety bond issued by a surety company, in an amount stated in the Bid Invitation, must accompany bid. **Personal and company checks are not acceptable as Bid Bonds.** Failure to submit a Bid Bond as required will cause a bid to be rejected. The Bid Bond will be forfeited as liquidated damages if the successful bidder fails to provide a required Performance Bond within the period stipulated by ARDOT or fails to honor their bid. When a bidder claims and can show clear and convincing evidence that a material mistake was made in the bid and was not the bid intended, the bidder may be permitted to withdraw their bid prior to award without forfeiture of bid bond. Cashier's checks and certified checks submitted as Bid Bonds will be returned to unsuccessful bidders; surety bonds will be retained. The successful bidder will be required to furnish a **Performance Bond** in an amount stated in the Bid Invitation and in the form of a cashier's check, certified check, or surety bond issued by a surety company, unless otherwise stated in the Bid Invitation, as a guarantee of delivery of goods/services in accordance with the specifications and within the time established in the bid. **Personal and company checks are not acceptable as Performance Bonds.** In some cases, a cashier's check or certified check submitted as a Bid Bond will be held as the Performance Bond of the successful bidder. Cashier's checks or certified checks submitted as Performance Bonds will be refunded shortly after payment has been made to the successful bidder for completion of all terms of the bid; surety bonds will be retained. Surety bonds must be issued by a surety company that is authorized to do business in the State of Arkansas and that is listed on the current United States Department of the Treasury Listing of Approved Sureties. Surety bonds must be executed by a resident or non-resident agent who is licensed by the Arkansas State Insurance Commissioner to represent the surety company executing the bond, and the resident or non-resident agent shall file with the bond the power of attorney of the agent to act on behalf of the bonding company. Certain bids involving labor will require Performance Bonds in the form of surety bonds only (no checks of any kind allowed). These bonds shall not only serve to guarantee the completion of the work, but also to guarantee the excellence of both workmanship and material until the work is finally accepted and the provisions of the Plans, Specifications, and Special Provisions fulfilled. In such cases, the company issuing the surety bond must comply with all stipulations herein and must be named in the U. S. Treasury listing of companies holding Certificates of Authority as acceptable sureties on Federal Bonds and as acceptable reinsuring companies. Any excess between the face amount of the bond and the underwriting limitation of the bonding company shall be protected by reinsurance provided by an acceptable reinsuring company. Annual Bid and Performance Bonds on file with E & P Division must have sufficient unencumbered funds to meet current bonding requirements, or the bid will be rejected, unless the balance is submitted as set forth above, prior to bid opening.
5. **TAXES:** The ARDOT is not exempt from Arkansas State Sales and Use Taxes, or local option city/county sales taxes, when applicable, and bidders are responsible to the State Revenue Department for such taxes. These taxes should not be included in bid prices, but where required by law, will be paid by the ARDOT as an addition thereto, and should be added to the billing to the ARDOT. The ARDOT is exempt from Federal Excise Taxes on all commodities except motor fuels; and excise taxes should not be included in bid prices except for motor fuels. Where applicable, tax exemption certificates will be furnished by the ARDOT.
6. **"ALL OR NONE" BIDS:** Bidders who wish to bid "All or None" on two or more items shall so stipulate on the face of bid sheet; otherwise, bid may be awarded on an individual item basis.
7. **SPECIFICATIONS:** Complete specifications should be attached for any substitution or alternate offered, or where amplification is necessary. Bidder's name must be placed on all attachments to the bid.
8. **EXCEPTIONS TO SPECIFICATIONS:** Any exceptions to the bid specifications must be stated in the bid. Any exceptions to manufacturer's published literature must be stated in the bid, or it will be assumed that bidder is bidding exactly as stated in the literature.
9. **BRAND NAME REFERENCES:** All brand name references in bid specifications refer to that commodity or its equivalent, unless otherwise stated in Bid Invitation. Bidder should state brand or trade name of item being bid, if such name exists.
10. **FREIGHT:** All freight charges should be included in bid price. Any change in common carrier rates authorized by the Interstate Commerce Commission will be adjusted if such change occurs after the bid opening date. Receipted common carrier bills that reflect ICC authorized rate changes must be furnished.

11. **SAMPLES, LITERATURE, DEMONSTRATIONS:** Samples and technical literature must be provided free of any charge within 14 days of ARDOT request, and free demonstrations within 30 days, unless ARDOT extends time. Failure to provide as requested within this period may cause bid to be rejected. Samples, literature and demonstrations must be substantially the same as the item(s) being bid, unless otherwise agreed to by ARDOT. Samples that are not destroyed will be returned upon request at bidders expense. Samples from successful bidders may be retained for comparison with items actually furnished.
12. **GUARANTY:** Unless otherwise indicated in Bid Invitation, it is understood and agreed that any item offered or shipped on this bid shall be newly manufactured, latest model and design, and in first class condition; and that all containers shall be new, suitable for storage or shipment and in compliance with all applicable laws relating to construction, packaging, labeling and registration.
13. **BACKORDERS OR DELAY IN DELIVERY:** Backorders or failure to deliver within the time required may constitute default. Vendor must give written notice to the ARDOT, as soon as possible, of the reason for any delay and the expected delivery date. The ARDOT has the right to extend delivery if reasons appear valid. If reason or delivery date is not acceptable, vendor is in default.
14. **DEFAULT:** All commodities furnished will be subject to inspection and acceptance by ARDOT after delivery. Default in promised delivery or failure to meet specifications authorizes the ARDOT to cancel award or any portion of same, to reasonably purchase commodities or services elsewhere and to charge full increase, if any, in cost and handling to defaulting vendor. Applicable bonds may be forfeited.
15. **ETHICS:** *"It shall be a breach of ethical standards for a person to be retained, or to retain a person, to solicit or secure a State contract upon an agreement of understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies maintained by the contractor for the purpose of securing business."* (Arkansas Code, Annotated, Section 19-11-708).
16. **NOTICE OF NONDISCRIMINATION:** The Arkansas State Highway Commission, through ARDOT, complies with all civil rights provisions of federal statutes and related authorities that prohibit discrimination in programs and activities receiving federal financial assistance. Therefore, ARDOT does not discriminate on the basis of race, sex, color, age, national origin, religion (not applicable as a protected group under the Federal Motor Carrier Safety Administration Title VI Program), disability, Limited English Proficiency (LEP), or low-income status in the admission, access to and treatment in the ARDOT's programs and activities, as well as the ARDOT's hiring or employment practices. Complaints of alleged discrimination and inquiries regarding the ARDOT's nondiscrimination policies may be directed to Joanna P. McFadden Section Head – EEO/DBE (ADA/504/Title VI Coordinator), P. O. Box 2261, Little Rock, AR 72203, (501)569-2298, (Voice/TTY 711), or the following email address: joanna.mcfadden@ahtd.ar.gov. Free language assistance for Limited English Proficient individuals is available upon request. This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.
17. **PROHIBITION OF EMPLOYMENT OF ILLEGAL IMMIGRANTS:** Pursuant to Arkansas Code Annotated 19-11-105, all bidders must certify prior to award of a contract that they **do not** employ or contract with any illegal immigrant(s) in its contract with the state. Bidders shall certify online at <https://www.ark.org/dfa/immigrant/index.php>.
18. **DISCLOSURE:** Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that order, **shall** be a material breach of the terms of this contract. Any contractor, whether an individual or entity, who fails to make the required disclosure or who violates any rule, regulation, or policy **shall** be subject to all legal remedies available to the agency.

ATTACHMENT A

ELIGIBLE BIDDER CERTIFICATION

The Bidder represents and warrants for itself, its employees and its subcontractors and certifies they:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding thus Bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph two (2) of this Certification;
4. Have not within a one-year period preceding this application/Bid had one or more public transactions (Federal, State, or local) terminated for cause or default; and

The Bidder represents, warrants and acknowledges the understanding that restrictions placed on the employment of labor or on the scale of pay for the work on a contract will be the requirements of the Fair Labor Standards Act (Federal Wage-Hour Law) of 1938, 28 USC §201 et seq., and other applicable labor laws.

The person executing this Certification further represents, warrants and affirms the truthfulness and accuracy of the contents of the statements submitted on or with this Certification and understands that the provisions of 31 USC §3801 et seq. are applicable thereto.

BIDDER NAME

BY: _____

Signature

TITLE: _____

CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM

Failure to complete all of the following information may result in a delay in obtaining a contract, lease, purchase agreement, or grant award with any Arkansas State Agency.

SUBCONTRACTOR: _____ SUBCONTRACTOR NAME: _____

Yes No

IS THIS FOR:

TAXPAYER ID NAME: _____ Goods? Services? Both?

YOUR LAST NAME: _____ FIRST NAME: _____ M.I.: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____ COUNTY: _____

AS A CONDITION OF OBTAINING, EXTENDING, AMENDING, OR RENEWING A CONTRACT, LEASE, PURCHASE AGREEMENT, OR GRANT AWARD WITH ANY ARKANSAS STATE AGENCY, THE FOLLOWING INFORMATION MUST BE DISCLOSED:

FOR INDIVIDUALS*

Indicate below if: you, your spouse or the brother, sister, parent, or child of you or your spouse is a current or former: member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee:

Position Held	Mark (✓)		Name of Position of Job Held <small>(senator, representative, name of board/ commission, data entry, etc.)</small>	For How Long?		What is the person(s) name and how are they related to you? <small>(i.e., Jane Q. Public, spouse, John Q. Public, Jr., child, etc.)</small>	
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Relation
General Assembly							
Constitutional Officer							
State Board or Commission Member							
State Employee							

None of the above applies

FOR AN ENTITY (BUSINESS)*

Indicate below if any of the following persons, current or former, hold any position of control or hold any ownership interest of 10% or greater in the entity: member of the General Assembly, Constitutional Officer, State Board or Commission Member, State Employee, or the spouse, brother, sister, parent, or child of a member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee. Position of control means the power to direct the purchasing policies or influence the management of the entity.

Position Held	Mark (✓)		Name of Position of Job Held <small>(senator, representative, name of board/ commission, data entry, etc.)</small>	For How Long?		What is the person(s) name and what is his/her % of ownership interest and/or what is his/her position of control?		
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Ownership Interest (%)	Position of Control
General Assembly								
Constitutional Officer								
State Board or Commission Member								
State Employee								

None of the above applies

Contract and Grant Disclosure and Certification Form

Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this contract. Any contractor, whether an individual or entity, who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the agency.

As an additional condition of obtaining, extending, amending, or renewing a contract with a state agency I agree as follows:

1. Prior to entering into any agreement with any subcontractor, prior or subsequent to the contract date, I will require the subcontractor to complete a **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM**. Subcontractor shall mean any person or entity with whom I enter an agreement whereby I assign or otherwise delegate to the person or entity, for consideration, all, or any part, of the performance required of me under the terms of my contract with the state agency.

2. I will include the following language as a part of any agreement with a subcontractor:

Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this subcontract. The party who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the contractor.

3. No later than ten (10) days after entering into any agreement with a subcontractor, whether prior or subsequent to the contract date, I will mail a copy of the **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM** completed by the subcontractor and a statement containing the dollar amount of the subcontract to the state agency.

Signature _____	Title _____	Date _____
Vendor Contact Person _____	Title _____	Phone No. _____

Agency Use Only				
Agency Number _____	Agency Name _____	Agency Contact Person _____	Contact Phone No. _____	Contract or Grant No. _____

RESTRICTION OF BOYCOTT OF ISRAEL CERTIFICATION

Pursuant to Arkansas Code Annotated § 25-1-503, a public entity **shall not** enter into a contract valued at \$1,000 or greater with a company unless the contract includes a written certification that the person or company is not currently engaged in, and agrees for the duration of the contract not to engage in, a boycott of Israel.

By signing below, the Contractor agrees and certifies that they do not boycott Israel and will not boycott Israel during the remaining aggregate term of the contract.

If a company does boycott Israel, see Arkansas Code Annotated § 25-1-503.

Bid Number/Contract Number	
Description of product or service	
Contractor name	

Contractor Signature: _____
Signature must be hand written, in ink

Date: _____

Arkansas Department of Transportation
Special Provision
TMC Dispatch Console

Description. ARDOT is building a Traffic Management Center (TMC) in the basement of the main building, located at 10324 Interstate 30, Little Rock, Arkansas by upgrading the current Dispatch Center. The new TMC dispatch area will be roughly 38' wide and 26' deep. The 38 foot wall will hold up to 20 monitors, with live traffic feed and will be the focal point of the room, as shown on attached plan sheet. This Special Provision is for TMC Dispatch Consoles. The TMC Dispatch Consoles will be utilized 24 hours per day, 7 days per week, by many different employees, with many different physical sizes and needs. Because of this, the TMC Dispatch Console can be expected to receive several times the use of typical office furniture each year. With this in mind, only console furniture specifically designed and engineered for Communication Centers or Emergency Operations Centers will be accepted. The console design must positively address employee comfort, efficiency, ergonomics, aesthetics, flexibility, durability, maintainability, as well as room for future expansion. The TMC Dispatch Console shall meet Americans with Disabilities Act (ADA) guidelines and requirements.

General Conditions.

(A) Current Model. The units furnished under this specification shall be the latest improved model in current production, as offered to commercial trade, built for the US market, and shall be of quality workmanship and material. Machines manufactured for foreign markets will not be accepted. All equipment offered under this specification shall be new. Used, reconditioned, shopworn, demonstrator, prototype or discontinued models are not acceptable.

(B) Delivery Requirements. It is the responsibility of the successful bidder to guarantee delivery of the TMC Dispatch Console as specified within the quoted time. The Arkansas Department of Transportation will not accept incomplete or late deliveries.

(C) Manufacturer Requirements. The manufacturer shall have a minimum of 5 years experience with the design, development, manufacturing, installation, testing, operation and maintenance of dispatch consoles. The manufacturer shall regularly and currently produce dispatch consoles.

At the Communications Section's request, the manufacturer shall document the total number of years it has been active in supplying dispatch consoles, the number of years at its current address, the number of employees. In addition, the console manufacturer must have an in house Quality Management System (QMS) in place that is to ensure ANSI/BIFMA standards are met.

The manufacturer shall have manufactured dispatch consoles for at least 10 projects, each with a minimum of 5 workstations. These installations shall represent multiple agencies within the United States. These dispatch consoles shall have been in operation for at least 5 years prior to the opening date of this contract.

This manufacturer shall include three references. The reference information shall include:

- Organization's name and country
- Contact person name, telephone number, fax number and email address
- Date of project installation
- Summary of project scope

Arkansas Department of Transportation
Special Provision
TMC Dispatch Console

(D) Self-Certification. The dispatch console manufacturer must provide, with their bid, self-certification, including a statement of conformance and copies of test reports, indicating that the following test have been performed and passed.

- ANSI/BIFMA structural integrity and durability
- Greenguard certification for indoor air quality
- Acoustical NRC rating per ASTM C423-08a
- Surface burning characteristics of Building Materials ASTM E-84

(E) Customer Service. The dispatch console manufacturer must have a customer service department that provides technical support and services for the consoles. The manufacturer's customer service department shall be available via telephone, e-mail, and fax during business hours Monday-Friday. Third party call centers do not meet the requirement. The manufacture must also offer bench level repair services for failed components and stocking of most parts for replacement.

Materials. The TMC Dispatch Console and all accessories shall be furnished by one supplier.

(A) Structure. The TMC Dispatch Console shall be an independent, free standing console and shall not rely on any office walls for support. It shall not be anchored permanently, for support or for functionality. It shall maintain stability at full extension.

It shall contain acoustical panels, to reduce noise level.

The entire TMC Dispatch Console, including panels, cabinets and equipment enclosures, shall be no more than 8' in width and 5' in depth.

All work surfaces shall be scratch and dent resistant, anti-microbial, 3-D melamine, non-glare and shall be seamless. The front edge shall be a chamfer style edge.

The monitor space and the keyboard area shall be separate. They both shall be separately adjustable, electronically operated with minimum of 4 positions that allows the operator to work from both a stand-up and a sit-down position in one unit, the height shall be adjustable from 22" to 48". They shall have separate lifting equipment weight capacity of 300 lbs. minimum which does not include the weight of the work surface.

It shall have desk top power outlets, easily accessible with a minimum of two connections.

The Console will be a straight work surface design; it shall not be a corner style design.

The Console shall be equipped with the capability to be grounded.

(B) Panel System. The panel system shall provide for cable management, visual separation of tasks and a sound barrier.

It shall have a panel system on three sides of the console; around the back and on each side of the work area.

Panel segments above the work surface height shall be of acoustical construction. Acoustical panels shall contain 1/2" compressed formaldehyde-free fiberglass insert and shall have a minimum .55 NRC (noise reduction coefficient) rating and a Class A flame spread/smoke developed certification.

It shall have internal cable management within the frame.

Stackable panels shall be vertically modular and allow for additional segments to be stacked on the base panel to change the height for future changes or reconfigurations. Segments shall be removable and/or replaceable without tools.

Flush mounted panel tops must be removable without tools.

Arkansas Department of Transportation
Special Provision
TMC Dispatch Console

(C) Monitor space. The monitor space shall hold at least six, 24" monitors. It shall have two tiers; with three monitors on the bottom and three monitors on the top, with the option of adding more if needed. The monitors will be stacked, therefore; the monitor space must be able to lower below the keyboard surface to maintain proper viewing angles for most users. It shall be a monitor array design, not individual monitor arms.

The entire monitor space shall have automated controls for height that is adjustable from 22" to 48", and be separate from the keyboard area, with electronic controller having digital readout in one (1) cm increments to enable precise position replication.

Monitor space must be engineered to support a 300 lb. static load.

It shall have a focal depth adjustment system; that places all the monitors on one platform. The platform shall allow the entire apparatus to move in one single motion. The control of this system shall be accessible from the front of the platform.

(D) Keyboard area. The keyboard area must accommodate a minimum of two standard keyboards, side by side and other input devices and still provide room for note taking on either the right or left hand side. Note taking will require a space for a notebook the size of 8" ½ x 11".

It shall have automated controls for height that is adjustable from 22" to 46".

The keyboard area must be separately electrically adjustable with electronic controller having digital readout in one (1) cm increments to enable precise position replication.

It shall have a static load capacity of 300 lbs.

The keyboard area shall not be located under a work surface.

The keyboard area shall have a data connection center. The data connection center shall have at least eight USB ports.

The data connection center shall incorporate an integral wire management channel along the back side of the keyboard surface to provide a place for mouse and keyboard cables to be stored and easily retrieved by the user to re-position keyboards or mice for either right or left hand use, without getting into the equipment enclosure and to prevent cables from hanging down into knee/foot space.

Supplier shall supply appropriate number of extension cables of sufficient length to reach CPUs with each connection specified.

(1.) Monitor space and keyboard area adjustment controls. The controls for the vertical adjustment of the monitor space and keyboard working area must not be mounted on the front side of keyboard area or in an area where a wheelchair, chair, or leg would hit it. Adjustment speed should be at least 1.5"/second.

Controllers shall have collision detection technology which will detect sudden changes in load. It shall cause the work surface to stop on detection of obstruction and reverse directions to avoid entrapment of obstruction. Collision detection shall work in both upward and downward directions. Safety finger clearance of 1 ½" minimum between stationary returns and moving surfaces or between moving surfaces of double surface tables is required.

All electronic control boxes which power the height adjustment of the surfaces shall be mounted in an easily accessible location for trouble shooting; they shall not be located in an area that would require a person to crawl under the console.

All control electronics shall be labeled for easy identification. This includes cables, pathways and electric boxes.

Arkansas Department of Transportation
Special Provision
TMC Dispatch Console

(E) Storage/filing cabinet. The cabinet must have 3 drawers; 2 small drawers (6”), and one file drawer (12”). It shall be 22”D.

Depending on its location within the console, it too may be considered a work surface.

All drawers shall have full extension 100 lbs. rated, soft close and steel ball bearing drawer slides.

One small drawer shall include a pencil tray insert. The one file drawer shall have the capability to hang letter or legal size hanging files.

The cabinet shall have a gang locking mechanism with master keyed removable core locks.

(F) Electronic Equipment enclosure. It shall have an equipment enclosure that shall hold up to four standard CPU’s (Standard CPU; max 18”H x 7”W x 18”D) and accommodate the CPU’s cabling.

The enclosure must allow for easy access and must include ventilation for equipment. It shall be equipped as standard with active ventilation using a minimum of two (2) quiet, 28db (decibel) 45 cfm fans to keep electronic equipment cool.

The enclosures shall be available in a vertical tower located behind the monitor space and keyboard area configuration, or in a horizontal cabinet, located under a work surface configuration.

It shall have locking access doors.

The enclosure must be finished in a color matching or complimentary to the rest of the console.

The equipment enclosure shall not be located underneath a height adjustable surface due to the potential hazards that may cause.

The enclosure shall give significant access to the cable management system, so the cables enter the enclosure seamlessly. It shall have a minimum of two access points depending on the layout. The cable entry point must have an opening large enough for all computer and power cables to fit through.

It shall have adjustable shelves, depending on layout.

Depending on its location, it too may be considered a work surface.

It shall have an internal motion sensing LED service light.

It must have power access within the enclosure, for all the CPU components.

(G) Cable management. The cable management system shall support all cables from end to end, including power cables, without interfering with the adjusting height of the dual work surfaces.

Supplier shall provide quality extension cables as required to connect monitors, keyboards, mice and all devices to CPU’s and to the data connection on the keyboard area.

Cabling shall be guided from CPU cabinet or panel enclosure to the monitor surface of the adjustable table in an energy chain with easy cable channel access.

Cabling shall be guided from the back of the monitor surface to the focal depth platform to keep cables organized during focal depth adjustments.

(H) Shelving. It shall have a single open shelf, in the primary reach zone of the dispatcher for the storage of materials. It shall be mounted under the monitor surface, with USB ports. It shall be at least 19”W x 5” H x 9”D.

(I) Personal environment

(1) It shall have two (250) watt forced air heaters located under the monitor surface. Heaters must be able to rotate to blow heat on hands or feet.

Arkansas Department of Transportation
Special Provision
TMC Dispatch Console

(2) It shall have a desktop fan that allows the user to select the airflow rate delivered to the desktop area through two desktop fan/filter units. Fan speed shall be user selectable from no airflow to a maximum of no less than 50cfm. per fan. The filter shall be user removable and user washable and/or replaceable.

(3) It shall have a minimum of two dimmable LED task lights with flexible mounting arms, mounted to the keyboard area that will shine light anywhere on the work surface.

(4) It shall have status indicator LED lights on a mountable pole with three different colors, able to sync to the phones and radios, with programming available for steady or flashing alerts. It shall be affixed to the console. [Colors; blue, orange, green] Technical documents shall be provided for setup and/or changes.

(5) It shall have a motion detector feature that turns off the personal environment features when the workstation is unoccupied for 15 minutes. When the motion detector senses movement in the workstation, all previously selected function settings shall resume.

(6) It shall have one control device easily accessible by the operator for all personal environment features.

Construction Requirements.

The TMC Dispatch Console shall be delivered by Supplier at a time determined by ARDOT. Supplier shall be finished with all assembly within 3 week of deliver date. Once a Supplier has been selected, the Supplier shall provide material and color samples to choose from, before plans are finalized.

Any and all technical documents concerning installation or maintenance of the TMC Dispatch Console shall be provided.

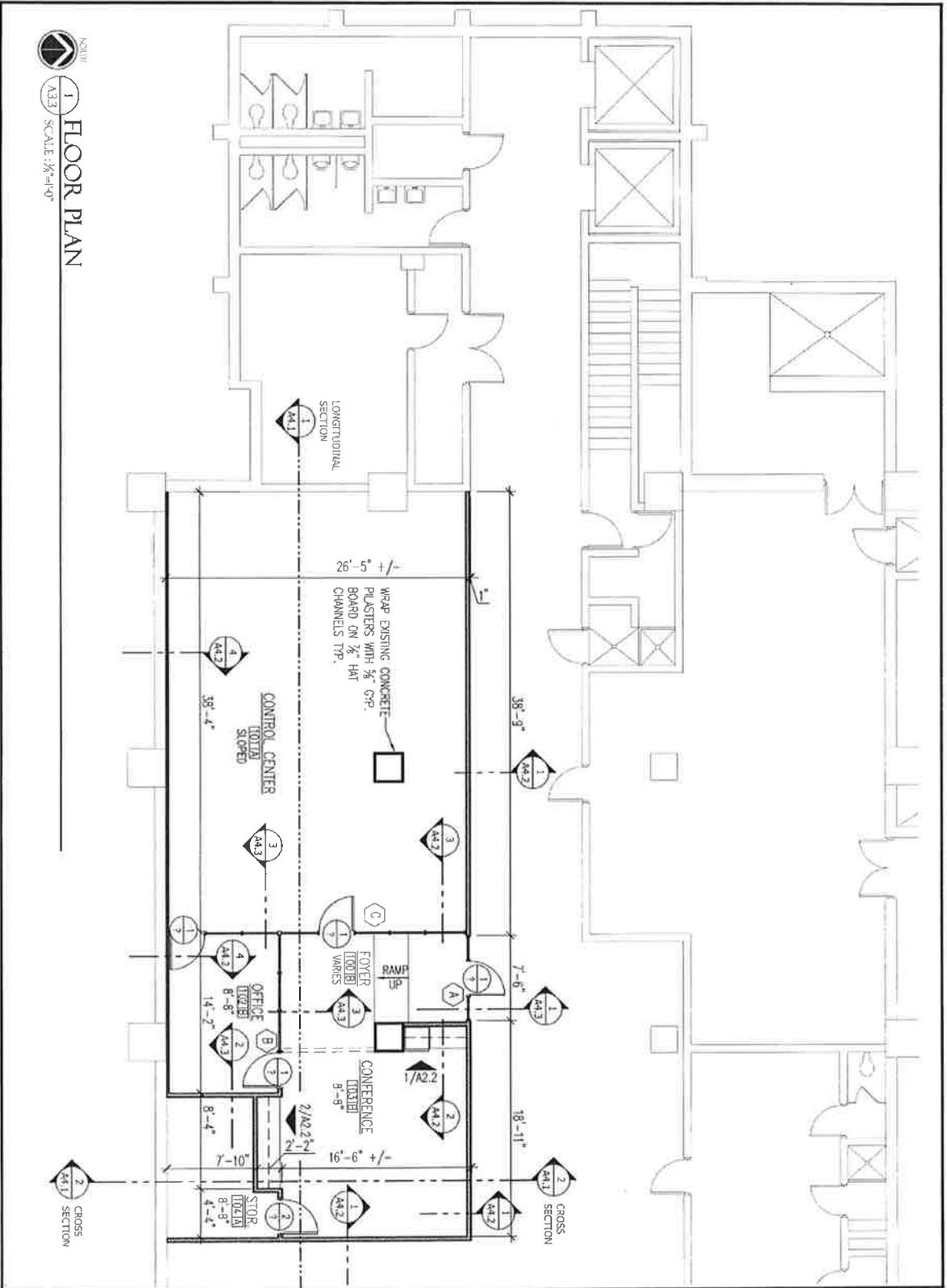
Method of Measurement. TMC Dispatch Console will be measured by workstation. One unit shall include Sections A through I, that is listed in the Materials portion of this document. Seven (7) workstations will be required for the TMC.

A 3D rendering of the TMC Dispatch Console is required as part of the bidding review.

Warranty: Minimum warranty requirements are 5 years from date of acceptance. Warranty shall cover all components of console and include the cost of all labor, parts and transportation. Manufacturer of consoles shall assume primary responsibility for warranty claims. Customer agrees to assist in troubleshooting procedure.



1 FLOOR PLAN
 A3.3 SCALE: 1/8"=1'-0"



A3.2
 7 OF 15

DATE: NOV. 30, 2017
 JOB NO.: 42-45
 DRAWN BY: KB
 REVISIONS:



ARDOT TRAFFIC MANAGEMENT CENTER
 Little Rock, Arkansas
 Pulaski County

