

Highway Construction Contracting Methods

Design Bid Build



CONSTRUCTION CONTRACT


THIS CONSTRUCTION AGREEMENT is made the _____ day of _____, 20____

BETWEEN:

Contractor: [Name] (as an agent representative of company)
License #: _____

And

Subcontractor: [Name] (as an agent representative of company)
License #: _____

**SOUTH DAKOTA DOT**
DEPARTMENT OF TRANSPORTATION

Lettings
August 5, 2020
August 19, 2020
September 2, 2020
September 16, 2020
October 7, 2020 to November 4, 2020
Completed
Regional

Letting Detail
09/16/2020 Letting

You will need the free Adobe Acrobat Reader to view these files. [Adobe Website](#)

If a file comes up "File Not Found", please try back later as the servers may be extremely busy for all the requests coming in.
Thank you for your patience.

Advertisement of Highway Bid Letting
Log in to SDEBS to place your company on the plan holders, to access bid files, and to prepare/submit your bid.

Prime Contractors must be prequalified in the work type specified for any bid \$200,000 or greater.

Item #	Contract Information	Plans
1.	IM-FP 0299(69)213 - PCC Overlay, AC Resurf, Polymer Seals - PCN - 02PV Watertown Area D - addendums for this contract B - questions for this contract Work Type J Plan Holder List Special Provisions Project 0&A View Addenda	SectionA.pdf SectionC.pdf SectionD.pdf SectionE.pdf SectionF.pdf SectionI.pdf SectionM.pdf SectionS.pdf

Other Options

- Design Build
- Construction Manager General Contractor
- Indefinite Delivery/Indefinite Quantity
- Emergency Procurement

Design Build

DESIGN-BUILD PROJECT DELIVERY



Owner manages only one contract with a single point of responsibility; designer and contractor are on the same team, providing unified recommendations. Changes are addressed by the design-build team and not used as excuses. The design-build team manages all subs and consultants.



Soil nailing stabilizes Deadwood landslide

Slope stability has been an ongoing problem along U.S. Highway 14A just east of the U.S. Highway 85 junction north of Deadwood. Material supporting the eastbound shoulder kept sliding down the hill. Pavement cracked after loss of support. Retaining walls have tried to hold the hill in; this project used soil nailing to further stabilize the inslope. Holes were drilled across the slope, then epoxy-coated steel bars were inserted and anchored with grout. Plates on top of the bars function like nail heads, pressing against a flexible reinforcing mesh.

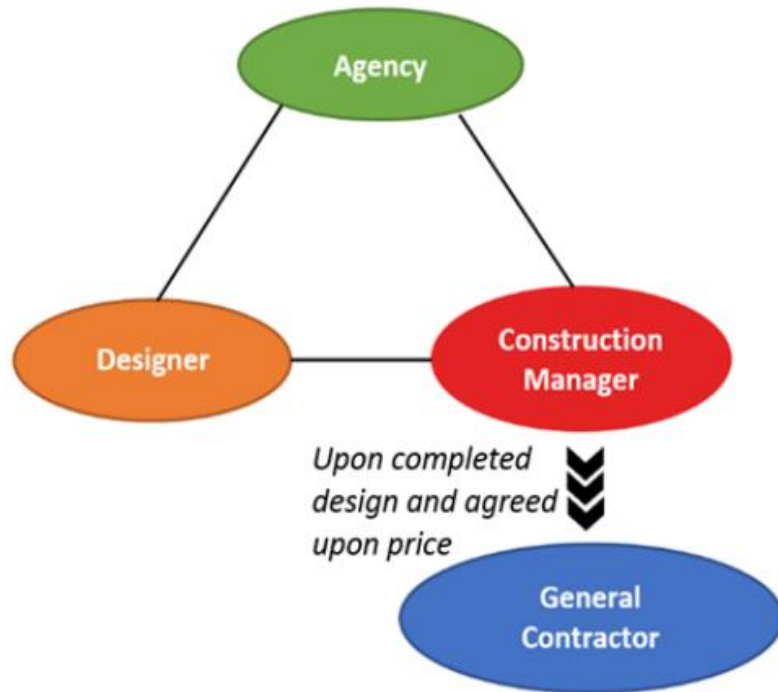
2016 average daily traffic (ADT)	5,357	+35%
2036 ADT	7,248	

SDDOT

21

Construction Manager General Contractor

Construction Manager/General Contractor (CM/GC)



Above: the future Valley Springs rest area, welcome center and port of entry building, to open in 2020. Below: the Homestead rest area and welcome center, scheduled to open in the late spring of 2019.



Indefinite Delivery/Indefinite Quantity (ID/IQ)

IDIQ
Master
Contract

Task
Order
1

Task
Order
2

Task
Order
3

Task
Order
4
Etc.

© Copyright 2011 - Cole Price



Above: A steel girder on the Hartford exit overpass damaged by an Aug. 2016 hit. Right: Damage to the same bridge in 2016. The total for heat straightening steel girders, and replacing other bridge parts for both

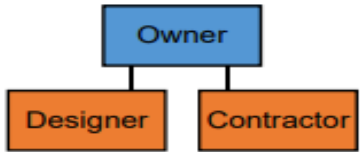
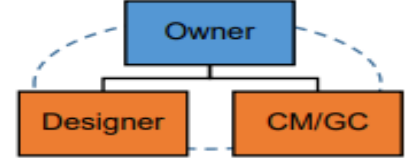
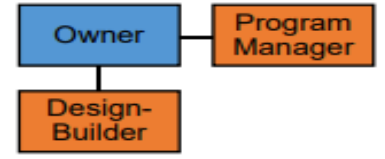
Emergency Procurement



Design-Bid-Build (DBB)

Construction Manager/ General Contractor (CM/GC)

Design-Build (DB)

Essential Elements	 <pre> graph TD Owner[Owner] --- Designer[Designer] Owner --- Contractor[Contractor] </pre> <ul style="list-style-type: none"> Traditional delivery system Owner contracts separately for design and construction services Bid based on complete (100%) plans and specifications Owner retains high level of control and risk 	 <pre> graph TD Owner[Owner] --- Designer[Designer] Owner --- CMGC[CM/GC] Designer -.- CMGC Owner -.- CMGC </pre> <ul style="list-style-type: none"> Construction contract negotiated Selection criteria include qualifications, experience, strategic approach, and price elements Owner contracts separately for design and construction services Owner engages a construction manager (CM) to act as a construction advisor during pre-construction and general contractor (GC) during construction. 	 <pre> graph TD Owner[Owner] --- DB[Design-Builder] DB --- PM[Program Manager] </pre> <ul style="list-style-type: none"> Combines design and construction under a single contract Two phase selection process utilizing qualification in the first phase and price plus technical components in the second phase Traditionally a lump sum contract
Applicability	<ul style="list-style-type: none"> Projects where the owner needs to completely define the scope. Project scope can be best defined using prescriptive specifications. Significant risks or third-party issues (ROW, utility, environmental) that can be best resolved or managed by the agency. 	<ul style="list-style-type: none"> Projects where owner requires greater control of design. Projects with multiple phases and contracts Go slow to go fast Concept level only scope Complete or obtainable environmental documents and permits for the entire project Established project footprint Time or funding constraints 	<ul style="list-style-type: none"> Projects that benefit from innovation in design or construction Projects having a high sense of urgency that would benefit from an expedited project delivery Time or funding constraints Well defined project scope Projects having manageable public controversy, third party issues or environmental issues Performance specifications
Advantages	<ul style="list-style-type: none"> Applicable to a wide range of projects Well established and easily understood Owner retains design control Provides the lowest initial price that responsible, competitive bidders can offer No legal barriers in procurement and licensing Well established legal precedents 	<ul style="list-style-type: none"> Identifies and reduces/mitigates risk. Allows fast-tracking of early procurement items and construction phases prior to completed design Transparent pricing Owner issues addressed prior to price development with cost certainty earlier in the process. Can send project out to Design-Bid-Build if a fair price cannot be negotiated Reduces errors, change orders, and materials overruns Minimizes / Eliminates need for lengthy procurement Allows for innovation, quality and constructability review during design Improved constructability Owner retains control over design Opportunity for shared savings provides an incentive for CM to control costs and work within funding limits 	<ul style="list-style-type: none"> Streamlines and enhances coordination through single point responsibility for design and construction Allows for innovation, quality and constructability review during design Improved constructability May reduce design and construction duration Allows accelerated delivery by fast-tracking design and construction in phased packages. Earlier schedule and cost certainty Can reduce owner risks